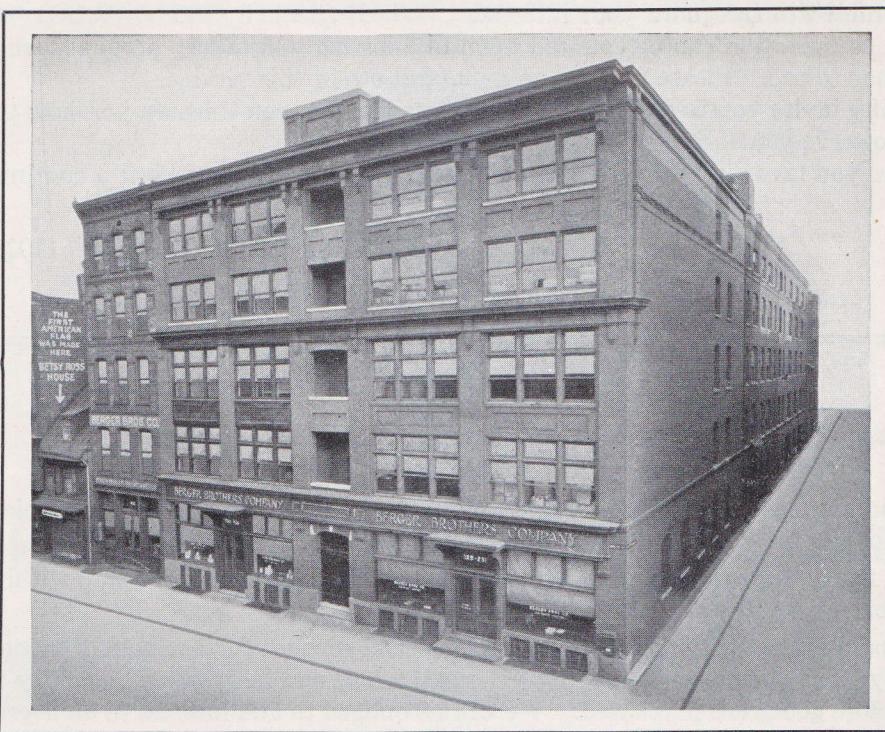


WHERE
-BB-



AND
QVAKER CITY
PRODUCTS ARE MADE

No. 12 CATALOG—2ND EDITION

Introductory

WHEN this business was established over sixty-five years ago, a principle was laid down which has been strictly adhered to and that is that all merchandise offered must be such as to build the greatest amount of good will for our customers.

To maintain this principle, we are constantly improving our line of Tinnery and Roofers supplies and you will find in this Catalogue many items which will save you time and money as well as add materially to the appearance of your work. Nothing is offered in the experimental stage. For your protection all goods manufactured by us are stamped "B. B." or Quaker City.

Prompt shipments, extreme care in filling orders, dependable merchandise, sincerity in description of goods offered, fair prices, and an honest effort to render real service are also what have helped us to give general satisfaction.

You can order from this Catalogue with the assurance that you will receive the careful attention of specialists trained to safeguard your interest.

Thorough co-operation can be counted upon in assisting you in any problems when you are in doubt as to what to use. Please feel free to make full use of this service.

We cordially invite you to visit us whenever possible, you can thus see just how thoroughly we are prepared to serve you.

Any orders you favor us with will meet with our best endeavors to merit a continuance of your patronage.

BERGER BROTHERS COMPANY.

Terms

DUE to fluctuations over which we have no control, all prices are quoted subject to change without notice.

Net cash, thirty days from date of invoice, or cash discount allowed if paid within ten days as per stamp on bill.

Bills not paid at maturity are subject to sight draft, without further notice. Goods are priced on a thirty-day basis of settlement, therefore no extensions can be allowed except by special agreement, made before goods are purchased. We will be obliged to add interest to all overdue accounts.

Claims for errors must be made upon receipt of goods.

We will gladly ship to new customers having good commercial rating or furnishing satisfactory reference.

In the absence of above we will ship either C. O. D. or to our order, with draft and bill of lading attached providing one-half payment is made in advance. This is necessary to insure acceptance.

In order to avoid unnecessary delays, please send your orders, inquiries and remittances upon separate sheets.

As questions constantly arise as to the responsibility of shipper for loss of and damage to goods in transit, we beg to call your special attention to the following:

(a) Our responsibility ceases as soon as goods are delivered in good order and condition at shipping point, and a receipt taken for the same—we, as senders, have no legal claim after the goods are delivered to the carriers properly consigned, as the ownership has passed from us to the consignee.

(b) No goods returned will be received by us unless we have given our permission that same can be returned, and party returning must in all cases pay freight and drayage charges plus 10% for our cost of handling, etc.

(c) After orders are entered the cancellation of same must be subject to our acceptance.

QUAKER CITY GUTTER



Lap Joint



Slip Joint

Fabricated on automatic machines, every length is a perfect half round and every bead a perfect circle. Made in lengths of 10 feet, of new, clean, prime sheets.

When ordering, please specify diameter desired. Depth is always one-half the diameter.

Also specify gauge, metal, and whether slip or lap joint. On slip joint gutter, one-half right and one-half left is furnished unless otherwise specified.

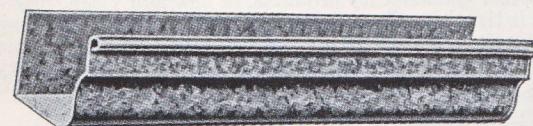
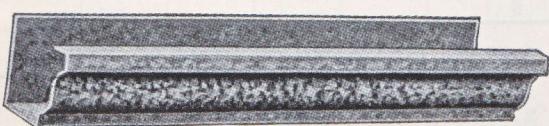
MANUFACTURED OF GALVANIZED STEEL, INGOT AND TONCAN IRON, ARMCO PAINTGRIP, ARMCO STAINLESS STEEL AND COPPER

LIST PRICES PER FOOT

Size Inches	Single Bead Lap Joint				Double Bead Lap Joint				Single Bead Slip Joint				Double Bead Slip Joint			
	28 Gal.	26 Gal.	24 Gal.	16 oz. Copper	28 Gal.	26 Gal.	24 Gal.	16 oz. Copper	28 Gal.	26 Gal.	24 Gal.	16 oz. Copper	28 Gal.	26 Gal.	24 Gal.	16 oz. Copper
4	\$.19	\$.23	\$.33	\$.32	\$.25	\$.30	\$.44	\$.40	\$.21	\$.25	\$.35	\$.35	\$.27	\$.32	\$.46	\$.43
5	.20	.24	.34	.36	.27	.32	.45	.45	.22	.26	.36	.39	.29	.34	.47	.48
6	.25	.31	.40	.44	.33	.40	.55	.55	.27	.33	.42	.47	.35	.42	.57	.58
7	.32	.40	.50	.54	.39	.50	.60	.64	.34	.42	.52	.57	.41	.52	.62	.67

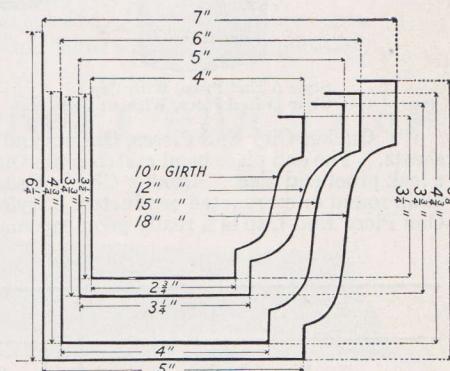
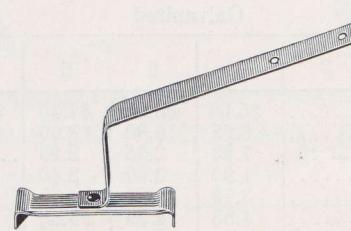
Stainless Steel Use 16 oz. Copper Lists

QUAKER CITY ROOF AND BOX GUTTERS

Style B
15"-20"-24" GirthsStyle G
10"-12"-15"-18" GirthsStyle J
10"-12"-15"-18" GirthsStyle K
10"-12"-15"-18" Girths

LIST PRICES PER FOOT

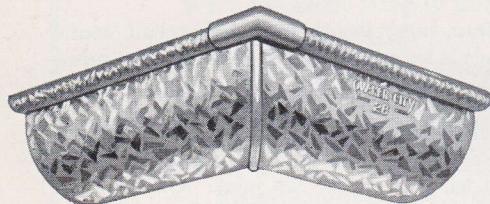
Girths	10"	12"	15"	18"	20"	24"
28 Gauge.	\$.20	\$.25	\$.35	\$.42	\$.48	\$.65
26 Gauge.	.24	.31	.43	.50	.58	.70
24 Gauge.	.34	.40	.53	.60	.68	.80
16 oz. Copper.	.44	.50	.80	.90	1.00	...

Style K Gutter
Dimensions

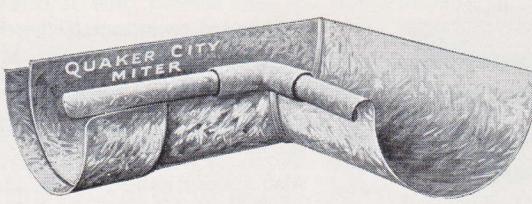
Style K Hanger



Style A Hanger

QVAKER CITY MITERS

Outside Corner



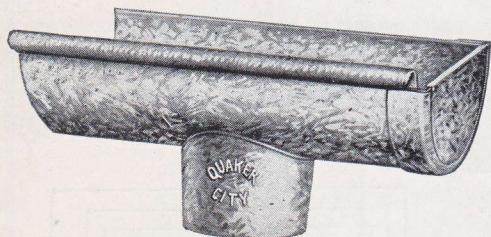
Inside Corner

Quaker City, Double Seamed, Reinforced Miters are the strongest and best looking Miters on the market. Both inside and outside corners, lap or slip joint, single or double bead. Produced as a perfect right angle, they are nevertheless flexible enough to allow for discrepancies in the building line. On the slip joint Miters, the bead is extended and the slip is opened with the same distinct advantages as Quaker City Gutter. On inside Miters a filler piece is inserted making bead continuous and eliminating the unsightly gap.

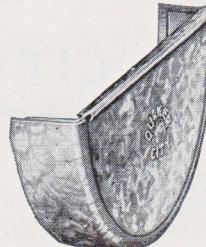
LIST PRICES PER DOZEN

Size Inches	Single Bead Lap Joint		Double Bead Lap Joint		Single Bead Slip Joint		Double Bead Slip Joint	
	Galvanized	Copper	Galvanized	Copper	Galvanized	Copper	Galvanized	Copper
4	\$ 8.00	\$11.40	\$11.00	\$14.40	\$11.00	\$14.40	\$14.00	\$17.40
5	9.25	13.20	12.25	16.20	12.25	16.20	15.25	19.20
6	11.75	20.04	14.75	23.04	14.75	23.04	17.75	26.04
7	15.75	25.80	18.75	28.80	18.75	28.80	21.75	31.80

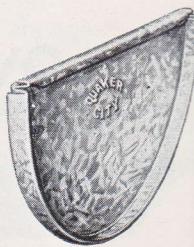
Stainless Steel use 16 oz. Copper Lists

QVAKER CITY END PIECES, CAPS AND OUTLETSStyle A End Piece, With Cap
Style D End Piece, Without Cap

Style B Outlet



Style C End Cap

Style E One Piece End Cap
Sizes 4"-5"-6" Only

Quaker City End Pieces, Outlets and End Caps are made with the same care as all other Quaker City products, of new and clean, prime sheets. The end piece bead matches the Quaker City gutter bead perfectly and the outlet is tightly and securely fastened by presses insuring a leak proof end piece. Quaker City outlets are made with the lock seam on inside for better fit in the gutter and properly tapered to fit either plain round or corrugated conductor. Style C Quaker City end cap is a quality end cap representing the most in efficiency. The Quaker City One Piece End Cap is a really good cap made to meet the demand for extreme economy.

LIST PRICES PER DOZEN

Size—Inches	Galvanized						Copper and Stainless Steel					
	2	3	4	5	6	7	2	3	4	5	6	7
"A" End Pieces, Single Bead.....			\$5.60	\$6.25	\$7.30	\$8.40			\$17.40	\$19.20	\$22.20	\$27.00
"A" End Pieces, Double Bead.....			6.25	6.90	8.00	9.35			20.40	22.20	25.20	30.00
"B" Outlets, Only.....	\$1.20	\$1.45	1.80	2.35	2.90	.....	\$3.60	\$4.80	6.00	7.20	8.40	.....
"C" End Caps, Only.....			1.90	2.00	2.40	2.90			4.80	6.00	6.60	7.80
"D" End Pieces, Single Bead.....			3.70	4.25	4.90	5.50			12.60	13.20	15.60	19.20
"D" End'Pieces, Double Bead.....			4.35	4.90	5.60	6.45			15.60	16.20	18.60	22.20
"E" One Piece End Caps. Prices Up on Application.												

LIST PRICES PER DOZEN

**SLIP JOINT CONNECTIONS**

Used with lap joint gutter they provide right or left hand slip at will.

Size, Inches.....	4	5	6	7
Galvanized.....	\$1.25	\$1.35	\$1.70	\$1.90
Copper.....	3.25	3.50	4.25	4.75



Plain Round



Round Corrugated



Square Corrugated

QVAKER CITY CONDUCTOR PIPE

Manufactured on the same type of automatic machines as Quaker City Gutter, every length is true to size and shape. The pipe seam is a true lock seam, permanently sealed with prick punches approximately every four inches for the full length of the seam. Made in 10 foot lengths.

Quaker City Conductor Pipe is really crimped correctly, permitting a quick and snug fit of its own members, also that of standard fittings fabricated by the leading manufacturers.

MANUFACTURED OF GALVANIZED STEEL, INGOT AND TONCAN IRON, ARMCO PAINTGRIP, ARMCO STAINLESS STEEL AND COPPER

LIST PRICES PER FOOT

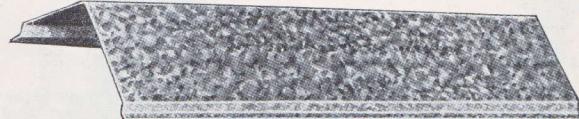
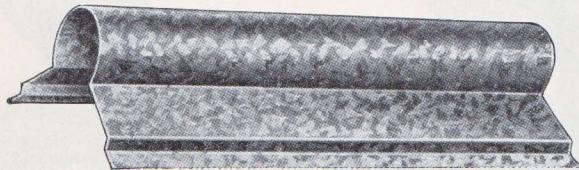
Size Inches	Plain Round						Round Corrugated						Square Corrugated					
	No. 28	No. 26	No. 24	No. 22	No. 20	16 oz. Copper	No. 28	No. 26	No. 24	16 oz. Copper	Size Inches	Actual Size	No. 28	No. 26	No. 24	16 oz. Copper		
1½	\$.18	\$.23	.....	.....	.....	\$ .30	.....	.....	.....	.....	2	1 27/32" x 2 1/4"	\$.23	\$.29	.....	\$ .31
2	.18	.23	.....	.....	.....	.30	\$.18	\$.23	.....	.....	3	2 1/6" x 3 3/8"	.24	.30	\$.40	.40
3	.20	.24	\$.34	\$.80	\$ 1.05	.36	.20	.24	\$.34	.36	4	2 5/8" x 4 3/2"	.31	.38	.50	.53		
4	.28	.34	.46	.88	1.13	.51	.28	.34	.46	.51	5	3 1/2" x 5 1/2"	.42	.50	.65	.75		
5	.39	.46	.60	.99	1.24	.69	.39	.46	.60	.69								
6	.50	.58	.72	1.10	1.35	.90	.50	.58	.72	.90								
7	.70	.82	1.00	1.30	1.55	.....	.....	.....	.....	.....			
8	.80	.92	1.10	1.40	1.65	.....	.....	.....	.....	.....			
9	.90	1.02	1.20	1.50	1.75	.....	.....	.....	.....	.....			
10	1.00	1.12	1.30	1.60	1.85	.....	.....	.....	.....	.....			

Sizes up to 6"—Standard Conductor Pipe.

Larger Sizes—Smoke Pipe in 10 Ft. Lengths.

Stainless Steel, Use 16 oz. Copper Lists.
Prices on Plain Square Pipe Upon Application.

QVAKER CITY RIDGE ROLL AND V ANGLE RIDGE CAP



Manufactured with precision presses, all lengths are identical in straightness and clean-cut appearance.

MANUFACTURED OF GALVANIZED STEEL, INGOT AND TONCAN IRON, AND COPPER

LIST PRICES PER FOOT

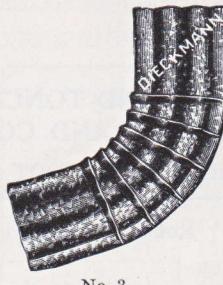
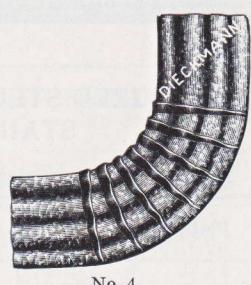
Diameter of Roll Inches	Width of Apron Inches	Girth Inches	No. 28	No. 26	No. 24	16 oz. Copper
1 1/4	2	7	\$.16	\$.21	.....	.....
1 1/2	2	8	.18	.23	.....	\$.32
2	2 1/2	10	.20	.24	.....	.36
2 1/2	3	12	.25	.31	.....	.45
3	3 1/2	14	.32	.40	.....	.63

CONDUCTOR ELBOWS AND SHOES

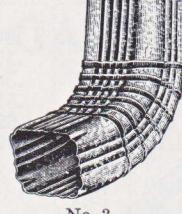
PLAIN ROUND

No. 1
45 DegreesNo. 2
60 DegreesNo. 3
75 DegreesNo. 4
90 DegreesNo. 3 Shoe
75 Degrees

ROUND CORRUGATED

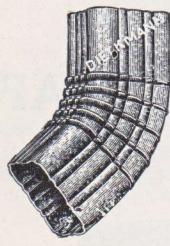
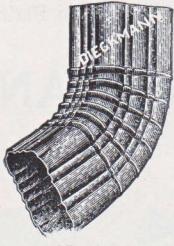
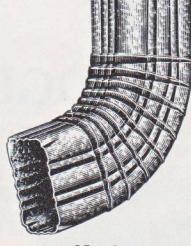
No. 1
45 DegreesNo. 2
60 DegreesNo. 3
75 DegreesNo. 4
90 DegreesNo. 3 Shoe
75 Degrees

SQUARE CORRUGATED—STYLE A

No. 1
45 DegreesNo. 2
60 DegreesNo. 3
75 Degrees

No. 3 Shoe

SQUARE CORRUGATED—STYLE B

No. 1
45 DegreesNo. 2
60 DegreesNo. 3
75 Degrees

No. 3 Shoe

It is commonly known that the first to let go on a down spout is the Elbow, due to the fact that it must guide the flow of water, consequently suffers the entire strain and wear of the down spout. In order to offset this the Elbow must be of the proper angle, therefore, a sixty-degree or less angle is always more appropriate than an Elbow of more angle, as it has a pitch and will drain dry. The Elbow should at all times be made of a good grade of new material and same galvanized after formation, so as to cement the entire formation into one mass and coat all raw edges. Elbows should be used at all times to get around cornices, moldings and obstacles, as the commonly known soldered break in the pipe will cost more than an Elbow, and is not a durable job.

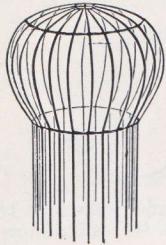
LIST PRICES—EACH

Size Inches	Plain Round and Round Corrugated						Square Corrugated						
	Galvanized Steel		Ingot Iron Toncan Metal		16 oz. Copper		Size Inches	Galvanized Steel		Ingot Iron Toncan Metal		16 oz. Copper	
	Elbows	Shoes	Elbows	Shoes	Elbows	Shoes		Elbows	Shoes	Elbows	Shoes	Elbows	Shoes
2	\$.30	\$.40	\$.40	\$.50	\$.75	\$.85	2	\$.40	\$.50	\$.60	\$.75	\$.90	\$1.05
3	.36	.48	.48	.60	1.00	1.10	3	.50	.60	.70	.85	1.20	1.35
4	.60	.75	.75	.90	1.50	1.65	4	.75	.90	.90	1.10	1.80	2.00
5	1.25	1.50	1.45	1.65	2.25	2.50	5	1.50	1.80	1.75	2.00	2.75	3.00
6	1.50	1.80	1.75	2.00	3.15	3.50	.....	.....	.....	.....	.....	.....	.....

Stainless Steel Use 16 oz. Copper Lists

WIRE CONDUCTOR STRAINERS

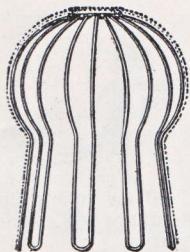
LIST PRICES PER DOZEN



Round					Square				
Size	Ga.	Galvanized	Ga.	Copper	Size	Ga.	Galvanized	Ga.	Copper
2	17	\$.75	17	\$1.80	2"x3"	17	\$2.90	17	\$4.00
3	17	1.05	17	2.90	3"x4"	16	4.80	16	8.00
4	16	1.85	16	4.20	4"x5"	16	5.40	15	10.00
5	15	2.55	15	7.20					
6	15	3.00	15	8.25					



We carry the leading sizes of Conductor Strainers in stock. Heavier Gauges and larger sizes furnished to order promptly.

COLEMAN'S
ADJUSTABLE
SPOUT STRAINERS

Can be easily fitted to round or square pipe. Made of heavy galvanized or copper wire.

No. 1, Galvanized,
Will fit 2 to 4 inch pipe.
No. 2, Galvanized,
Will fit 5 to 6 inch pipe.
No. 3, Copper,
Will fit 2 to 4 inch pipe.
No. 4, Copper,
Will fit 5 to 6 inch pipe.

-B.B.-
PIPE AND GUTTER TOOL

Used for flattening lip in gutter bead for easy entrance.

Quickly enlarges or reduces size of head for slipping beads together.

In the erection of pipe and gutter, no other tool can take the place of this handy little item. Especially adapted for crimping conductor pipe after cutting on the job. Also equally effective for rounding out distorted beads.

Made of **TUF-BRONZE**, a patented, non-corrosive alloy with more strength than malleable iron. 8 3/4 inches long. Weighs 5/8 of a pound.

GALVANIZED GRAVEL STRIP

Priced quoted on application. State the dimensions of the three faces as desired, also the kind and gauge of material wanted.

KUEHN'S
CORRECT
CUT-OFF

No Solder used in putting them together.

Galvanized after formation.

Unequalled for Strength



Price List—Per Dozen—Galvanized Steel

Round Corrugated	Plain Round
2 inch..... \$7.50	2 inch..... \$7.00
3 inch..... 8.00	3 inch..... 8.00
4 inch..... 11.00	4 inch..... 11.00
5 inch..... 20.00	5 inch..... 20.00
6 inch..... 24.00	6 inch..... 24.00

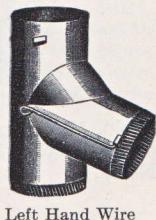
Can Be Used In Any Position Without Extra Pipe



Right Hand Wire



Sectional View



Left Hand Wire

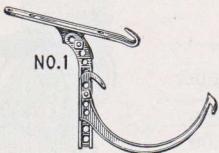
Put up in crates of one dozen each, assorted right and left hand wires, so they may be used in any position without extra pipe or elbows.

GALVANIZED PLAIN ROUND

Sizes..... 2" 3" 4" 5" 6"
Copper Cut-Offs Can Also Be Furnished. Prices Upon Application.

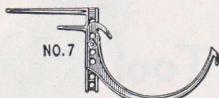
-BB- GUTTER HANGERS

With the only complete line of hangers on the market, B. B. Co. offer a great variety of styles and designs, from which may be selected a number for nearly any purpose. It is possible in the hinged type, by using different stems, to make styles other than those shown as the plates and stems are interchangeable. We shall be glad to advise you when you are in doubt. Packed in strong, durable cartons of 50 pieces each.

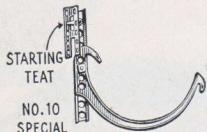


No. 1 is clamped direct to the metal roof, needing only one bolt through the iron. A valuable article for awnings and corrugated roofs.

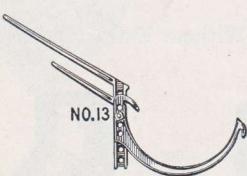
For large gutters use No. 16 stem giving one inch larger drip projection.



No. 7 is made to drive from three to four inches square in the cornice. The lower prong forms a brace for the upper and makes it very strong and firm.



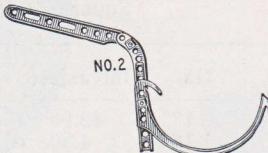
This shank is used where the nailing room will not permit the use of the No. 10 regular.



No. 13 drives with the pitch of the roof. Same length as No. 8.

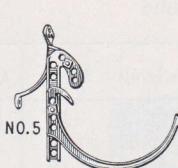


No. 20 is hinged for any pitch, can be nailed or screwed to various shaped mouldings at any angle desired.



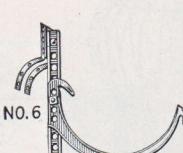
No. 2 is nailed to the side of rafter for any desired angle, either flat or extra steep roofs.

See No. 11 for same pattern in one piece.

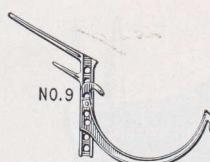


No. 5 will span over various shaped mouldings and is easily bent larger or smaller before nailing to the eave.

For larger projections of the shingle use No. 1 stems with this plate.

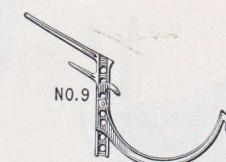


No. 6 is made specially to nail against O.G. mouldings. The two stays are made to fit in the cove and can be bent to suit variation. Made of wrought iron.



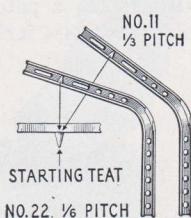
No. 8 is made to drive from three to six inches square in the cornice.

This iron is intended for eaves where the shingles project far over the cornice.

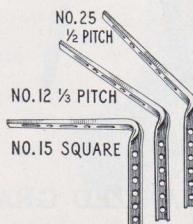


No. 9 is to drive with the pitch of the roof. Same length as No. 7.

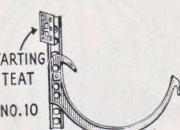
Suited for narrow moulded cornice.



Nos. 11 and 22 Shanks are for nailing to the side of exposed rafters. Furnished in 4 and 5 inch drop lengths. When ordering, Specify No. 11 for 1/3 pitch or No. 22 for 1/6 pitch.



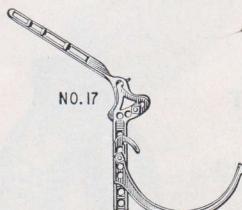
These are made to fasten under the shingles or slate. They are made of one solid piece of wrought channel and can be bent to any pitch of roof without the slightest danger of either weakening or breaking.



No. 10 is made to nail against square box cornices and facia boards.



No. 10 special combination shank and circle. Made to nail against facia boards. Furnished in 4, 5 and 6 inch sizes only.

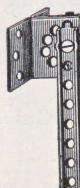


No. 16 is fastened under the shingle. For extra steep roof use No. 1 stem.

No. 17 is fastened under the shingles; the hinge and circle both adjust to every 1/8 inch.



No. 19 is used either on top or under the shingles and suited for short projections of the shingles over the mouldings.



No. 30—Designed especially for O.G. Mouldings—takes the place of Nos. 1, 5, 6, 20 and in many instances No. 10. Write for descriptive circular.

LIST PRICES ON NEXT PAGE

SHANK EXTENSIONS

This extension is 6 inches long and the use of same allows for 5 inches extension. Interchangeable with any style shank shown. Illustration shows shank extension attached to a No. 10 shank.

ALL SHANKS AND CIRCLES ARE INTERCHANGEABLE

Orders for Shanks are filled with assorted lengths, and all orders, the lengths of which are specified other than the regular assortment usually furnished, will command an extra. See list for all long shanks. Some numbers (not listed all long) are not made to furnish in long lengths, and when circumstances require them longer than those regularly furnished, lengthen them by using shank extensions. See illustration and list price. Look for our copyrighted trade mark B. B. on each piece.

REVISED LIST PRICES EFFECTIVE NOVEMBER 1, 1940

SHANKS

Malleable and Wrought Channel—Per 100						
	Complete	Plain	Complete	Plate only	Stem only	Plate only
	Black	Black	Tinned	Black	Black	Tinned
No. 1.....	\$18.00	\$21.60	\$10.35	\$7.65	\$12.40	\$9.25
No. 2.....	15.00	18.00	7.35	7.65	8.75	9.25
No. 5.....	15.30	18.30	6.50	8.80	7.80	10.50
No. 6 Assorted Lengths.....	9.00	10.80	.....	.....	.....	.....
No. 6 All long.....	10.00	12.00	.....	.....	.....	.....
No. 7.....	7.40	8.90	.....	.....	.....	.....
No. 8.....	9.65	11.55	.....	.....	.....	.....
No. 9.....	8.00	9.60	.....	.....	.....	.....
No. 10 Assorted Lengths.....	7.00	8.40	.....	.....	.....	.....
No. 10 All long.....	8.00	9.60	.....	.....	.....	.....
No. 11 Assorted Lengths.....	9.00	10.80	.....	.....	.....	.....
No. 11 All long.....	10.00	12.00	.....	.....	.....	.....
No. 12 Assorted Lengths.....	8.50	10.20	.....	.....	.....	.....
No. 12 All long.....	9.50	11.40	.....	.....	.....	.....
No. 13.....	10.80	12.95	.....	.....	.....	.....
No. 15 Assorted Lengths.....	8.50	10.20	.....	.....	.....	.....
No. 15 All long.....	9.50	11.40	.....	.....	.....	.....
No. 16.....	18.80	22.50	10.00	8.80	12.00	10.50
No. 17.....	19.75	23.70	12.25	7.50	14.70	9.00
No. 19.....	23.00	27.60	12.25	10.75	14.70	12.90
No. 20.....	12.80	15.40	5.30	7.50	6.40	9.00
No. 22 Assorted Lengths.....	9.00	10.80	.....	.....	.....	.....
No. 22 All long.....	10.00	12.00	.....	.....	.....	.....
No. 25 Assorted Lengths.....	8.50	10.20	.....	.....	.....	.....
No. 25 All long.....	9.50	11.40	.....	.....	.....	.....
No. 30 Assorted Lengths.....	10.50	12.60	.....	.....	.....	.....
No. 30 All long.....	11.50	13.80	.....	.....	.....	.....
Shank Extensions.....	7.00	8.40	.....	.....	.....	.....

One Cadmium Plated Bolt Included with Each Hinged Shank

TUF BRONZE AND COPPER CHANNEL—Per 100

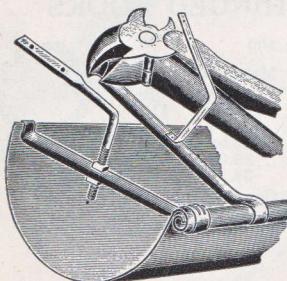
Tuf-Bronze	Copper	Tuf-Bronze	Copper
No. 1.....	\$35.00	.....	No. 13..... \$22.00
No. 2.....	31.00	.....	No. 15..... 28.00
No. 5.....	27.00	.....	No. 16..... 38.00
No. 6.....	27.00	\$25.00	No. 17..... 38.00
No. 7.....	18.00	.....	No. 19..... 41.00
No. 8.....	24.00	.....	No. 20..... 27.00
No. 9.....	18.00	.....	No. 22..... 21.00
No. 10.....	22.00	19.00	No. 25..... 28.00
No. 11.....	24.00	21.00	No. 30..... 19.00
No. 12.....	28.00	19.00	Extensions..... 25.00

One Brass Bolt Furnished with Each Hinged Shank

WROUGHT AND COPPER CHANNEL SHANKS FURNISHED in Nos. 6, 10, 11, 12, 15, 22, 25, 30 and Extensions

BERGER IMPERIAL HANGERS

With Galvanized Cross Bars



If all long Straps are wanted, add \$1.50 per gross to list. If all short, add 50 cents per gross to list.

1/4" Rods and Nuts Only.

	Per Gross
Assorted, List.....	\$6.00
All 7" Rods, List.....	5.50
All 9" Rods, List.....	6.50
All 11" Rods, List.....	7.00

Above lists cover rod and nut style with Galvanized Cross Bars and Black Rods and Nuts. Strap Hangers, Galvanized throughout.

On the Rod and Nut Hangers stems are packed as follows: 72—7" long, 48—9" long, and 24—11" long. Strap Hangers packed 96—10" long and 48—12" long.

EAVE TROUGH HANGER RODS



List per Gross

Sizes	3"	3 1/2"	4"	4 1/2"	5"	6"	7"	8"
Hangers with Straps Riveted on Cross Bars—Single Bead.....	\$7.90	\$7.90	\$8.50	\$9.10	\$9.10	\$10.20	\$12.40	\$16.90
Hangers with Straps Riveted on Cross Bars—Double Bead.....	8.50	8.50	9.10	9.70	9.70	10.80	13.00	17.50
Hangers with Rods and Nuts, Complete—Single Bead.....	9.60	9.60	10.10	10.70	10.70	11.80	14.10	18.60
Hangers with Rods and Nuts, Complete—Double Bead.....	10.20	10.20	10.70	11.30	11.30	12.40	14.70	19.20
Galvanized Cross Bars Only—Single Bead.....	6.10	6.10	6.80	7.30	7.30	8.30	10.70	14.10
Galvanized Cross Bars Only—Double Bead.....	6.70	6.70	7.40	7.90	7.90	8.90	11.30	14.70

CIRCLES

Malleable, Tuf-Bronze, Wrought and Copper Channel

GEM CIRCLE For Single Bead Gutters



Sizes: 3 1/2, 4, 4 1/2, 5, 6, 7, 8, 10 Inch

PENN CIRCLE For Double Bead Gutters



Sizes: 3 1/2, 4, 4 1/2, 5, 6, 7, 8 Inch

CHANNEL GEM CIRCLE For Single Bead Gutters



Sizes: 4, 4 1/2, 5 and 6 Inch

GEM CIRCLES —Per 100 (Single Bead)

Black	Tinned	Tuf-Bronze	Copper
3 Inch.....	...	\$13.00	...
3 1/2 Inch.....	\$7.45	\$8.95	18.50
4 Inch.....	7.45	8.95	20.50
4 1/2 Inch.....	7.75	9.30	23.00
5 Inch.....	8.50	10.20	23.00
6 Inch.....	10.75	12.90	31.00
7 Inch.....	17.25	20.70	40.00
8 Inch.....	20.00	24.00	45.00
10 Inch.....	39.00	46.80	...

PENN CIRCLES —Per 100 (Double Bead)

Black	Tinned	Tuf-Bronze
3 1/2 Inch.....	\$7.50	\$9.00
4 Inch.....	8.00	9.60
4 1/2 Inch.....	8.75	10.50
5 Inch.....	9.60	11.50
6 Inch.....	11.75	14.10
7 Inch.....	16.50	19.80
8 Inch.....	19.50	23.40

ALL CIRCLES FURNISHED WITH BOLTS AND CLIPS

B. B. SPRING CLIP

This clip revolutionizes the erection of eaves trough when shanks and circles are used; it requires no solder and stays secure under all conditions; is easy to attach or detach. Saves labor and makes a perfect finished job. Also used for straightening eaves trough that has sagged out of shape, due to the old style circle straps falling off. There is no extra charge for these clips when purchased with B. B. Circles over the old style strap.

ONE SIZE FOR ALL SIZE CIRCLES



HANGER TONGS

For Clinching Hangers

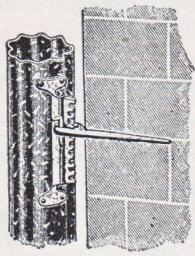
A handy, valuable tool for many other purposes.

List Price..... \$0.70

CONDUCTOR HOOKS AND FASTENERS

REVISED LIST PRICES EFFECTIVE NOVEMBER 1, 1940

BERGER'S "B. B." PIPE FASTENER



This Fastener must be seen and used to be appreciated. It can be used on all kinds and sizes of pipes, and used either end up, right or left hand; or in any other position desired, and allows enough variation to let the pipe slip together until it is tight in the joints, as all pipe should be to prevent rattling. Needs no close measuring on the wall to find a joint for the drive, and combines a handy, perfect, solid, concealed fastening in every respect.

Owing to the racks being long, with clips at each end to solder, the strain is lessened and they are not liable to become loose. The Drives are made, as illustrated, in various lengths and styles, and by keeping an assortment of these Fasteners the pipe can always be fastened to wood, brick or stone at any distance from the wall, hence the B. B. Fastener is just the article wanted for every requirement.

Price Per 100 Fasteners Complete.
Stamped or Malleable Racks with Malleable Drives.

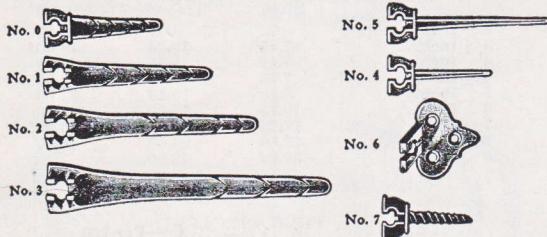
TINNED

No. 0, for brick, 3 inch.....	\$13.00
No. 1, for brick or stone, 4 1/2 inch.....	15.00
No. 2, for stone, 6 inch.....	18.00
No. 3, for stone, 9 inch.....	24.50
No. 4, for wood, 3 inch.....	11.50
No. 5, for wood, 5 inch.....	13.50
No. 6, to nail on wood.....	13.50
No. 7, to screw in wood.....	12.00

TUF BRONZE

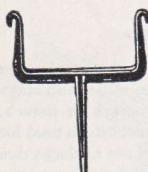
No. 0, for brick, 3 inch.....	\$25.50
No. 1, for brick or stone, 4 1/2 inch.....	29.50
No. 2, for stone, 6 inch.....	37.00
No. 3, for stone, 9 inch.....	51.00
No. 4, for wood, 3 inch.....	21.50
No. 5, for wood, 5 inch.....	27.00
No. 6, to nail on wood.....	25.00
No. 7, to screw in wood.....	22.50

PRICE LIST ON DRIVES ONLY



Drives Only Per 100 Pieces

No. 0, for brick, 3 inch.....	Malleable Tinned \$5.00	Tuf Bronze \$10.50
No. 1, for brick or stone, 4 1/2 inch.....	7.00	14.50
No. 2, for stone, 6 inch.....	10.00	22.00
No. 3, for stone, 9 inch.....	16.50	36.00
No. 4, for wood, 3 inch.....	3.50	6.50
No. 5, for wood, 5 inch.....	5.50	12.00
No. 6, to nail on wood.....	5.50	10.00
No. 7, to screw in wood.....	4.00	7.50
Racks and Keys Only.....	8.00	15.00
Keys Only.....	.85	2.00



SQUARE WIRED HOOKS

PER 100

Inches	Malleable Tinned Wood	Tuf Bronze Brick	Malleable Tinned Wood	Tuf Bronze Brick
2.....	\$7.00	\$8.00	\$12.00	\$13.00
3.....	9.00	11.00	15.00	21.00
4.....	11.00	13.00	20.00	27.00
5.....	15.00	16.00	27.00	30.00
6.....			40.00	



ROUND WIRED HOOKS

WOOD DRIVE—PER 100

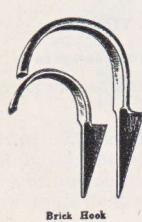
Inches	Malleable Tinned Wood	Tuf Bronze Brick
3.....	\$7.00	\$15.00
4.....	10.00	20.00

WROUGHT IRON SICKLE HOOKS

FOR WOOD OR BRICK

Price Per 100, Galvanized

2 inch.....	\$7.00
3 inch.....	8.00
4 inch.....	12.00
5 inch.....	15.00
6 inch.....	18.00
7 inch.....	30.00
8 inch.....	36.00



Brick Hook



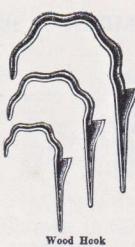
Wood Hook

CONDUCTOR HOOKS AND FASTENERS

REVISED LIST PRICES EFFECTIVE NOVEMBER 1, 1940

BERGER'S "B. B." PIPE FASTENER

CORRUGATED SICKLE CONDUCTOR HOOKS



Wood Hook

Per 100		
	Malleable Tinned Inches	Wood Brick
2.....	\$6.50	\$7.00
3.....	9.00	10.00
4.....	12.00	13.00

Tuf Bronze		
	Malleable Tinned Inches	Wood Brick
2.....	\$12.00	\$12.00
3.....	15.00	16.00
4.....	22.00	24.00



Brick Hook

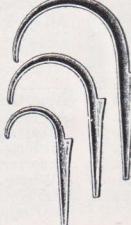
PLAIN SICKLE HOOKS



Wood Hook

Per 100		
	Malleable Tinned Inches	Wood Brick
2.....	\$4.50	\$5.00
2 1/2.....	6.00	
3.....	7.00	8.00
4.....	8.00	11.00
5.....	13.00	16.00
6.....	20.00	22.00

Tuf Bronze		
	Malleable Tinned Inches	Wood Brick
2.....	\$8.00	\$10.00
3.....	14.00	16.00
4.....	18.00	24.00
5.....	30.00	35.00
6.....	40.00	50.00



Brick Hook

ROUND CORRUGATED HINGED HOOKS

SHORT AND LONG WOOD DRIVES—PER 100

Inches		Malleable Tinned		Tuf Bronze	
		Short	Long	Short	Long
2.....	\$10.00	\$11.00		\$18.00	\$20.00
3.....	12.00	15.00		21.00	24.00
4.....	17.00	20.00		30.00	36.00
5.....		24.00			42.00
6.....		34.00			60.00

For Extra Long Drives, See Adjustable Clasp Hook.

ROUND CORRUGATED HINGED HOOKS

BRICK DRIVE—PER 100

Inches	Malleable Tinned	Tuf Bronze
2.....	\$11.00	\$18.00
3.....	14.00	27.00
4.....	20.00	36.00
5.....	25.00	48.00
6.....	34.00	60.00

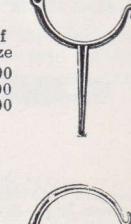
In ordering these hooks always state clearly Corrugated Hinged otherwise they may be confused with Corrugated Sickle Hooks and an error be made, or some time lost in getting the desired information.

PLAIN ROUND HINGED HOOKS

WOOD DRIVE—PER 100

Inches	Malleable Tinned	Tuf Bronze
2.....	\$9.00	\$16.00
3.....	13.00	25.00
4.....	17.00	30.00

5" and 6" Use Clasp Pipe Hook.

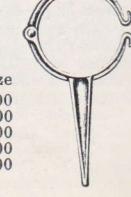


Wood Hook

PLAIN ROUND HINGED HOOKS

BRICK DRIVE—PER 100

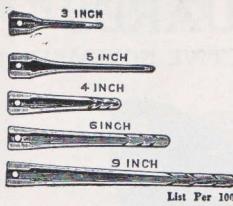
Inches	Malleable Tinned	Tuf Bronze
2.....	\$11.00	\$20.00
3.....	14.00	27.00
4.....	16.00	36.00
5.....	27.00	48.00
6.....		60.00



Brick Hook

REVISED LIST PRICES EFFECTIVE NOVEMBER 1, 1940

CLASP PIPE HOOKS



List Per 100

Inches 3 4 5 6

ROUND CLASPS ONLY

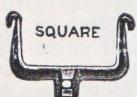
Tinned Malleable	\$12.00	\$18.00	\$24.00	\$32.00
Tuf Bronze.....	24.00	32.00	44.00	53.00

CORRUGATED CLASPS ONLY

Tinned Malleable	12.00	18.00	24.00	32.00
Tuf Bronze.....	24.00	32.00	45.00	53.00

SQUARE CLASPS ONLY

Tinned Malleable	8.00	10.00	12.00	14.00
Tuf Bronze.....	15.00	20.00	24.00	28.00



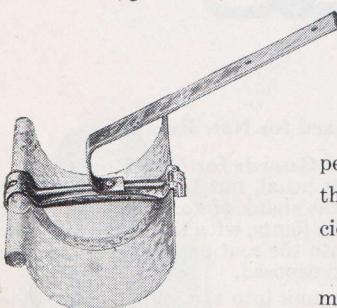
The advantages are, that with a small assortment of Clasps and Drives, a variety of pipe can be fastened to wood, brick or stone, at any distance from the wall.



FLASHING HOOKS

List Price Per 100

Inches	1 1/2	2 1/2	3 1/2	5 1/2	7 1/2
Black.....	\$1.00	\$1.60	\$2.40	\$5.00	\$8.00
Tinned.....	1.20	1.90	2.90	6.00	10.00
Tuf Bronze....	2.50	4.00	6.00	12.00	18.00



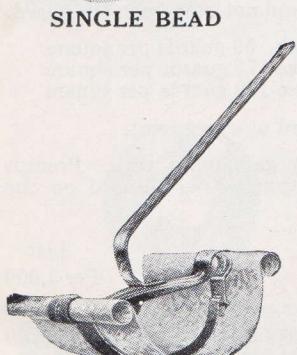
SINGLE BEAD

THE RIVAL
STRAP HANGER

Made in both galvanized and copper, for Single Bead and Double Bead, the Rival Strap Hanger is both efficient and economical.

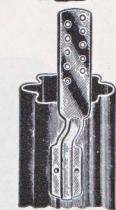
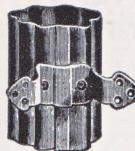
It is constructed in a simple, logical manner, insuring its installation with a minimum of labor. No complicated instructions are needed to apply it. It is made of entirely new metal and has never been weakened in order to save material.

The cross-bar is in one piece and cannot spread. Its truss shape makes it rigid and unyielding. When adjusting the Rival Hanger, first slip the Bead-Lock under the Bead. This insures a perfect fit and holds gutter firmly in position.



DOUBLE BEAD

Below is a picture of the Rival Hanger as it appears when packed in its heavy corrugated cardboard carton.



NO. 30 PIPE CLEATS

Stamped From Heavy Sheet Steel

List Price Per 100
Galv. Tinned

Especially suited for three and four inch pipe..... \$2.50 \$4.50
This Cleat makes a handsome finish on porch columns; no tinner should be without them; they will answer for all kinds of pipe.

NO. 50 PIPE CLEATS

Stamped from Heavy Sheet Steel

List Price Per 100
Galv. Tinned

7 1/2 inches long..... \$3.50 \$7.00
This Cleat is fastened lengthwise for slipped joints and will answer for all sizes or kinds of pipe. Put up 50 in a package.

GUTTER SPIKES



Where this can be used there is nothing handier or stronger—a first-class ice breaker, and just the thing for "O. G." or square gutter.

	List Per 100	Tuf	
	Black	Tinned	Bronze
No. 1—4 inch.....	\$10.00	\$12.00	\$23.00
No. 1—5 inch.....	11.50	14.00	26.00
No. 1—6 inch.....	13.00	15.50	35.00

REPAIR SPIKES



List Per 100

Inches.....	7	9	12
Black.....	\$9.00	\$11.50	\$13.00
Tinned.....	11.00	14.00	15.50

A handy article to straighten up twisted gutter.

KEYSTONE WIRE HANGERS

Triple Twist



Every Piece Absolutely Perfect

List	Per Gross
3 inch.....	\$2.75
3 1/2 inch.....	2.75
4 inch.....	2.75
4 1/2 inch.....	3.00
5 inch.....	3.00
6 inch.....	3.50
7 inch.....	4.00
8 inch.....	4.50

Double Bead Hangers, 25 cents per gross to list.

For all 11-inch Stems, add 50 cents to list.

Our Wire Hanger is made only of the very best galvanized steel wire. Compare the Keystone with other makes.

STARTING TEAT

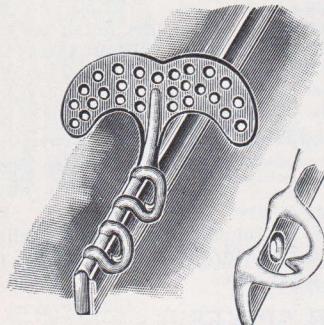
One of our improvements is the Starting Teat on Nos. 10, 11 and 22 Shanks. By placing the shank against the eave and tapping gently with a hammer, the wedge shaped prong will enter the wood, holding the shank in place and allowing free use of both hands for nailing.

TUF-BRONZE

Tuf-Bronze is a patented alloy that has proven to be 100% stronger than our old discontinued bronze, but still retaining all the qualities of a non-rusting metal. Though Tuf-Bronze is of a tough, springy nature, it is not brittle. When relieved from a terrific strain it flies back into position. It is just what is needed to withstand the shock of sliding snow and ice.

SNOW GUARDS

REVISED LIST PRICES EFFECTIVE NOVEMBER 1, 1940

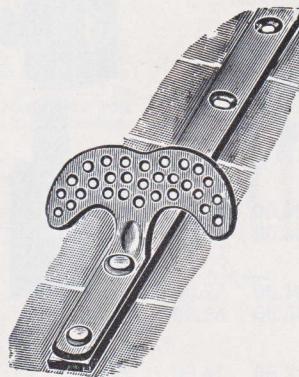


STANDING-SEAM ROOF SNOW IRONS

Designed to dispense with snow rails or gutters formed on the roof to prevent snow sliding. They clamp fast to the roof by clinching the lugs through the standing seam.

Made of the best Malleable Iron.

List Price Per 100 Galv.
No. 1, for standing seam..... \$24.00

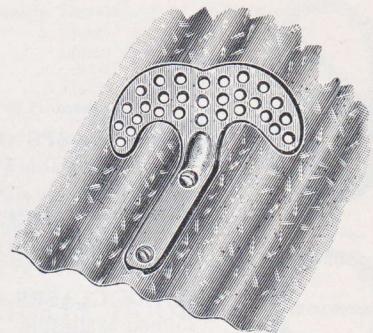


SLATE ROOF SNOW IRON

The No. 2 is riveted on $\frac{1}{8}$ x 1 inch iron plates, 12 inches long, to go 8 inches under the slate.

List Price Per 100 Galv.
No. 2 for slate roof complete..... \$28.00

It is very ornamental on a roof and must be seen to be fully appreciated.



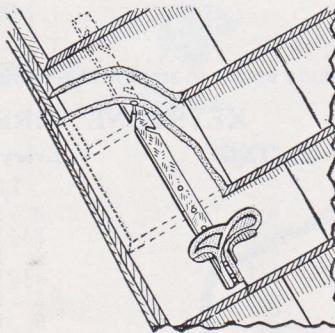
CORRUGATED ROOF SNOW IRONS

This cut shows our No. 20 Iron for corrugated roofing and fits either $1\frac{1}{4}$ inch or $2\frac{1}{2}$ inch corrugation. It is applied either by riveting to roof or by nailing through the roof to sheathing. It fits on top of the corrugation, as illustrated, and will not leak.

List Price Per 100 Galv.
No. 20, for corrugated roofs..... \$20.00

NO. 100 SNOW GUARD

PATENTED



Designed especially for old roofs, the No. 100 Snow Guard has eliminated the necessity of removing slate, with the possibility of breakage, in order to apply it. You simply insert the slotted plate under the slate or shingle; engage a nail with the convenient, scientifically placed slots and draw downward to secure the full benefit of the slot. At the base of the Guard there are two sharp points which tend to keep the Guard in alignment. Five to ten of these Guards can be installed in the time it takes to install one of the old style Guards.

Made of heavy stamped steel, hot galvanized after forming, and stamped copper, its deep flanges and embossments give it maximum strength.

GIANT WROUGHT SNOW GUARD

HOT GALVANIZED



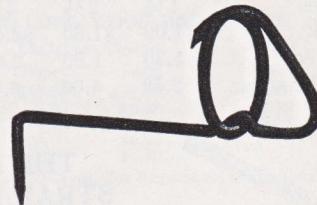
For Slate Roofs

This Snow Guard is made of heavy band iron, formed and riveted in such a manner that the loop is braced against the guard itself, making it capable of holding a great amount of snow and ice without bending. The hot galvanized coating absolutely prevents rusting and discoloring of roof.

Exceptionally strong. Priced reasonably low.

List Price per 100..... \$24.00

"LOOP THE LOOP" WIRE SNOW GUARDS



"Loop the Loop" Guard for New Roofs

Directions for Laying Snow Guards for New Roofs

Lay out the eaves course close, as usual, but lay the next course with joints slightly open to receive the shank of guard. After lining for third course place the guards in the joints, with the loop just below lap of course, and drive the prong into the roof boards; then lay the course which will only leave the loop exposed.

Take care to have the shank well sunk into the joint so that slate of following course will lay perfectly flat and not bear upon the guard.

One quarter pitch roof..... use 50 guards per square
One-third pitch roof..... use 75 guards per square
One-half pitch roof..... use 150 guards per square

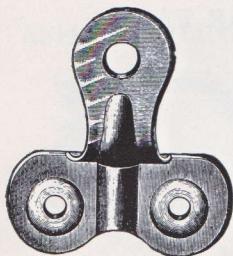
All towers should have a guard at every joint.

All guards made of either copper or galvanized wire. Prompt shipments in any quantity desired. Strongest wire guard on the market.

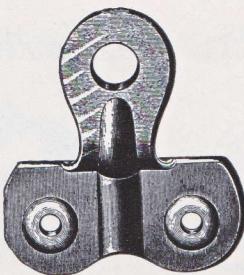
List
Per 1,000

"Loop the Loop" Re-Galvanized Wire for new roofs..... \$60.00
"Loop the Loop" Copper Wire for new roofs..... 100.00

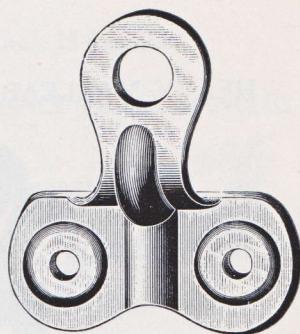
WROUGHT STAR EARS



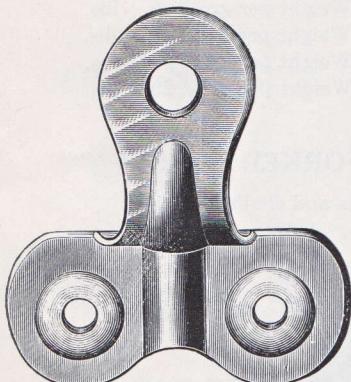
No. 20



No. 30



No. 40



No. 50

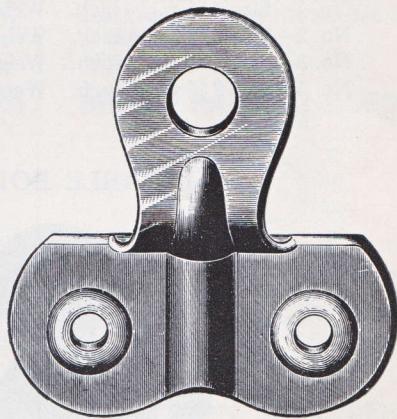
LIST PRICES PER GROSS, TINNED

No. 20.....	\$1.40
No. 30.....	1.70
No. 40.....	2.40
No. 50.....	3.80
No. 60.....	4.60
No. 70.....	6.30

Our wrought Star Ears are the same size and thickness as malleable. All perfectly even. The finest Ear that can be made.

Samples Free.

Illustrations are Actual Size.

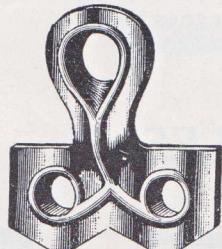


No. 60

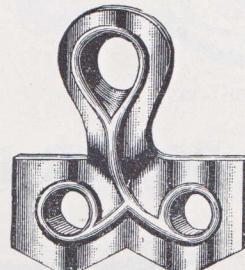
MALLEABLE STAR EARS



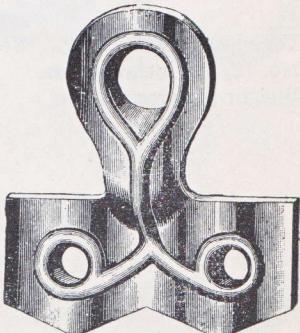
No. 1



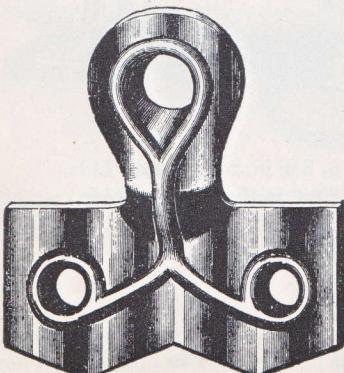
No. 2



No. 3



No. 4



No. 5

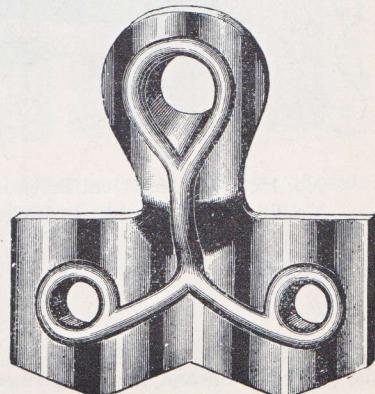
LIST PRICES PER GROSS, TINNED

No. 1.....	\$1.40
No. 2.....	1.80
No. 3.....	2.20
No. 4.....	2.80
No. 5.....	4.00
No. 6.....	5.00
No. 7.....	7.50
No. 8.....	11.00
No. 9.....	15.00

Countersunk rivet holes on under side for flush rivet heads.

Samples Upon Request.

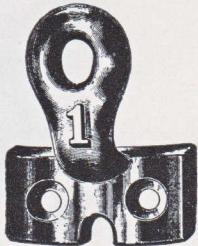
Illustrations are Actual Size.



No. 6

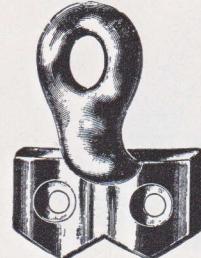
MALLEABLE EARS

HEAVY MALLEABLE WASH KETTLE EARS



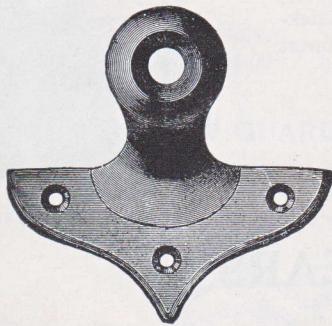
No. 1—Size $1\frac{1}{2}$ x $1\frac{1}{8}$ inch. Weight per gross 10 lbs.
 No. 2—Size $1\frac{5}{8}$ x $2\frac{1}{8}$ inch. Weight per gross $15\frac{3}{4}$ lbs.
 No. 3—Size 2 x $2\frac{1}{4}$ inch. Weight per gross $21\frac{3}{4}$ lbs.
 No. 4—Size $2\frac{1}{2}$ x $2\frac{3}{4}$ inch. Weight per gross $29\frac{3}{8}$ lbs.

HEAVY MALLEABLE STAR EARS



No. 1—Size $1\frac{1}{2}$ x 2 inch. Weight per gross 9 lbs.
 No. 2—Size $1\frac{3}{4}$ x $2\frac{1}{4}$ inch. Weight per gross $12\frac{7}{8}$ lbs.
 No. 3—Size 2 x $2\frac{1}{2}$ inch. Weight per gross $20\frac{1}{2}$ lbs.
 No. 4—Size $2\frac{3}{8}$ x $2\frac{1}{8}$ inch. Weight per gross $28\frac{1}{4}$ lbs.

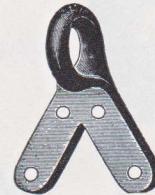
MALLEABLE BOILER EARS



Very heavy and strong. Weight about $4\frac{1}{2}$ lbs. to the dozen pieces.
 No. 12, $3\frac{3}{4}$ inches across.
 Weight per gross 51 lbs.

MALLEABLE FORKED EARS

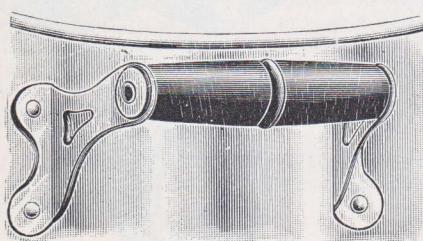
For heavy well buckets and similar articles.



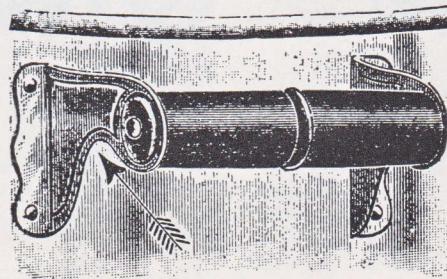
	Per Doz.	Gross
Black.....	\$0.60	\$6.40
Tinned.....	.90	9.50

Barrel lots quoted per pound upon application.
 Weight per gross 19 lbs.

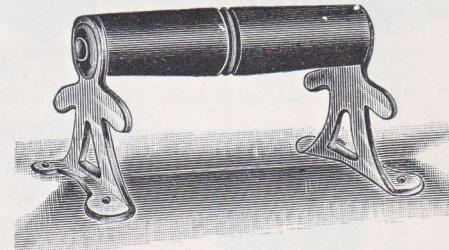
BOILER HANDLES



No. 10, $3\frac{1}{4}$ in. for Oval Boiler.
 No. 20, $3\frac{1}{4}$ in. for Square Boiler.



No. 40, 4 in. for Oval Boiler.



No. 6, $3\frac{1}{4}$ in. for Beveled Lids.
 No. 60, 4 in. for Beveled Lids.

KEYSTONE BOILER HANDLES

The clips of these Handles are made from heavy sheet steel, brightly tinned and of finest finish. A heavy oval head rivet runs through the entire Handle and is securely riveted on the outside with a bright smooth spun head, making it impossible for the wood to pull out. They will outlast any boiler, regardless of its quality.

HANDLES

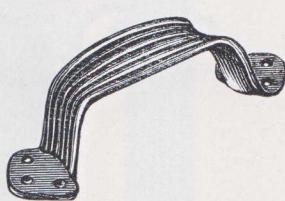
The Handles Listed Below Are All Malleable Iron and Tinned. Can Furnish Black If Desired

ASH CAN HANDLES



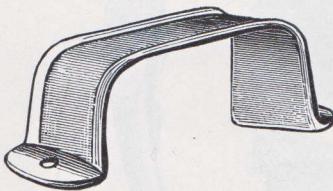
	Per Doz.	Gross
3½ inch.....	\$1.90	\$20.00
4 inch.....	2.40	26.00

FLUTED LID HANDLES



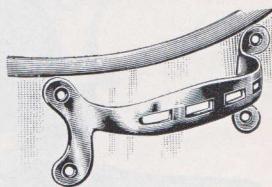
	Per Doz.	Gross
3½ inch.....	\$2.30	\$25.00

FLAT LID HANDLES



	Per Doz.	Gross
3 inch.....	\$1.40	\$15.50
4 inch.....	3.00	33.00

FANCY BOILER HANDLES



	Per Doz.	Gross
4 inch.....	\$1.50	\$15.75

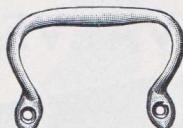
This Handle is round underneath and does not cut the hand in carrying.

LID HANDLES



	Per Doz.	Gross
3 inch.....	\$0.50	\$ 5.40
3½ inch.....	.80	8.00
4 inch.....	.90	10.00

DISH PAN HANDLES



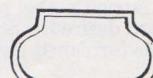
	Per Doz.	Gross
2 inch.....	\$0.40	\$4.00
3 inch.....	.50	5.20

HEAVY DISH PAN HANDLES



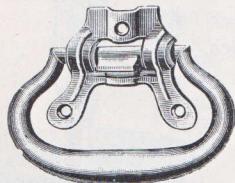
	Per Doz.	Gross
3½ inch.....	\$1.20	\$13.00

BREAD PAN HANDLES



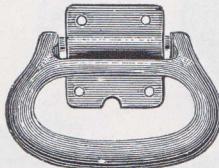
	Per Doz.	Gross
3 inch.....	\$0.60	\$ 5.70
3½ inch.....	1.00	10.40

LARD CAN DROP HANDLES AND CLIPS



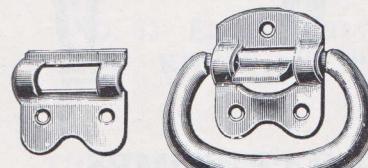
	Per Doz.	Gross
3 inch.....	\$1.00	\$11.00
3½ inch.....	1.20	13.00
4 inch.....	1.60	17.50
3 inch, Clip only....	.45	5.00
3½ inch and 4 inch, Clip only....	.50	5.20

GUARD DROP HANDLES AND CLIPS



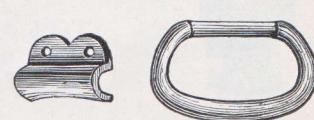
	Per Doz.	Gross
3½ inch.....	\$2.90	\$31.00
4 inch.....	3.70	40.00
Clips only....	.55	6.00

MILK CAN DROP HANDLES AND CLIPS



	Per Doz.	Gross
3½ inch, with Clips...	\$2.40	\$26.00
3½ inch, Handles only	1.80	19.80
Clips only (Round or Square Top).	.60	6.20

MILK CAN HANDLES AND CLIPS



	Per Doz.	Gross
3½ inch.....	\$2.70	\$29.00
4 inch.....	3.50	38.00

HANDLES ONLY

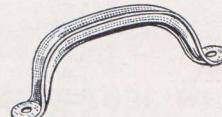
	Per Doz.	Gross
3½ inch.....	\$1.90	\$20.50
4 inch.....	2.70	29.50
Clips only...	.80	8.50

COPPERED GROOVED BOILER HANDLES



Made of Gray Iron and Coppered. 3 Sizes: 3, 3½ and 4 inch.

STAMPED LID HANDLE



A good, substantial, stamped Lid Handle made of No. 16 metal, tinned after forming. Extreme inside opening, 3 inches.

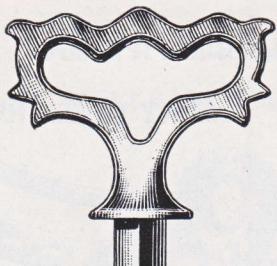
MALLEABLE GROOVED BOILER HANDLES

Same Style as Coppered Grooved Boiler Handles.

Tinned	Per Doz.	Gross
3 inch.....	\$1.00	\$11.30
3½ inch.....	1.40	15.20

MALLEABLE IRON OVEN TURNBUCKLES

NO. 50 OVEN TURNBUCKLE AND TONGUE



Straight Tongue



Bent Tongue



Actual Size

In Gross Boxes	Tinned	List Per Gross
$\frac{1}{4}$ inch Shank (Regular) with tongues.....		\$4.30
$\frac{3}{8}$ inch Shank (Special) with tongues.....		4.60
Tongues only.....		1.90

Always specify the size Shank and whether Straight or Bent Tongues are desired. Straight Tongues sent when style is not specified. Price furnished for these goods in bulk upon application.

STOVE BUCKLES AND TONGUES



No. 8 Buckle



1 inch Tongue



3/4 Inch Tongue

GALVANIZED BOAT PUMPS



Stock Sizes—6 Feet and Longer
Smaller Sizes Made to Order Only
List Prices Each

Diameter Size	1 1/2 and 2 Inch	2 1/2 and 3 Inch	3 1/2 and 4 Inch
2 foot.....	\$4.75	.....	.....
3 foot.....	5.00	.....	.....
4 foot.....	5.50	\$ 9.00	\$10.00
5 foot.....	6.00	9.50	10.70
6 foot.....	6.60	10.00	11.00
7 foot.....	7.00	10.60	11.50
8 foot.....	7.50	11.00	12.00
9 foot.....	8.00	11.50	13.00
10 foot.....	9.00	12.00	14.00
12 foot.....	10.00	14.00	15.00
14 foot.....	.....	16.00	18.00
16 foot.....	.....	18.00	20.00

BOAT PUMP HANDLES



Sizes—6, 7, 8, 9, 10, 11, 12, 13, 14 and 15 Feet Long.

OIL VALVES AND PLUNGERS

	List Per Doz.	Per Pair
1 inch.....	\$3.00
1 1/4 inch.....	3.00
1 1/2 inch.....	3.50
1 3/4 inch.....	4.00
2 inch.....	4.50

Valves only 3/5 of List. Plungers 2/5 of List.

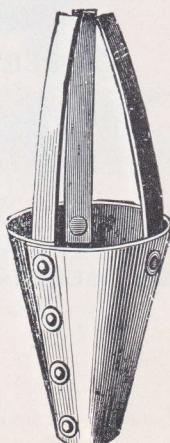
LEATHER PLUNGERS FOR BOAT PUMPS

	List Per Doz.
2 inch.....	\$2.60
2 1/2 inch.....	3.30
3 inch.....	4.00
3 1/2 inch.....	4.80

In making these Valves and Plungers only the best castings, rubber and leather procurable are used and they are as near perfect as it is possible to make them.

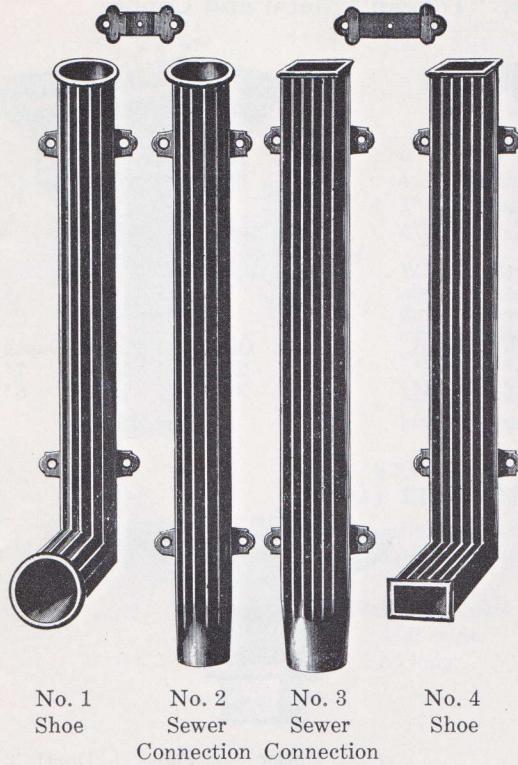
Valves are furnished with leather clappers, sizes 1 inch to 2 1/2 inches, inclusive; rubber clappers 3 inches and larger.

Leather clappers can be furnished in the larger sizes. Made to order only, in stock quantities.



Leather Plunger

CAST IRON LEADER SHOES AND SEWER CONNECTIONS WITH DETACHABLE LUGS



No. 1 No. 2 No. 3 No. 4
Shoe Sewer Sewer Shoe
Connection Connection

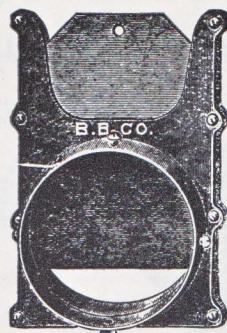
No.	Size Opening	Size Outlet	Length	List Price Each
1.....	3 inch		54 inch	\$7.50
1.....	4 inch		54 inch	11.50
1.....	5 inch		60 inch	15.50
1.....	6 inch		60 inch	17.00
2.....	3 inch		48 inch	6.50
2.....	4 inch		48 inch	10.50
2.....	5 inch		60 inch	14.25
2.....	6 inch		60 inch	17.00
3.....	2x3 inch	3 inch	48 inch	8.50
3.....	3x4 inch	4 inch	48 inch	10.50
3.....	4x5 inch	5 inch	60 inch	18.00
3.....	4x6 inch	6 inch	60 inch	24.00
4.....	2x3 inch		48 inch	9.25
4.....	3x4 inch		48 inch	11.75
4.....	4x5 inch		60 inch	19.00
4.....	4x6 inch		60 inch	24.00

Sizes Given Are as Near Correct as Our Manufacturing Conditions Will Permit.

Regular Sizes Always in Stock. Estimates Furnished on Special Sizes and Shapes.

~~These Goods Are Sold Only On Condition That After Purchase They Cannot Be Returned.~~

BLAST GATES



These Blast Gates are designed for closing pipes supplying blast to furnaces, forges, boilers, etc.; for use in exhaust or blast pipe systems, where material of any kind or gases of any nature are to be removed; or for controlling the heated air in connection with Fan Systems of heating. They are made in sizes from 2 inch to 24 inch.

All Gates are equipped with cold drawn thumb screws so that the slide can be held at any desired position. These screws are tough and will not break off in shipping or handling Gates or when manipulating the screw.

Size	List Price Each	Size	List Price Each	Size	List Price Each
2 inch	\$1.15	7 inch	\$3.10	15 inch	\$10.00
2½ inch	1.20	8 inch	3.50	16 inch	12.00
3 inch	1.25	9 inch	4.00	18 inch	15.00
4 inch	1.50	10 inch	4.50	20 inch	18.00
5 inch	2.00	12 inch	6.00	24 inch	28.00
6 inch	2.75	14 inch	8.00		

NO. 53 ENAMELED TEA-POT KNOBS AND PINS



ENAMELED PAIL WOODS

3, 3½, 4 inch.....



PLAIN PAIL WOODS

3, 3½, 4 inch.....

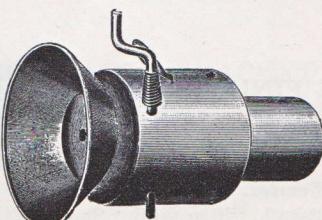
STANDARD TIN SPEAKING-TUBE



List Prices

1 inch, price per foot.....	\$0.04
1 inch, Stamped Elbows, each.....	.08
1 inch, Stamped Tee, each.....	.16

SPEAKING-TUBE WHISTLE



SPEAKING TUBE ELBOW



List Per Dozen With indicator.....	Nickled \$5.60
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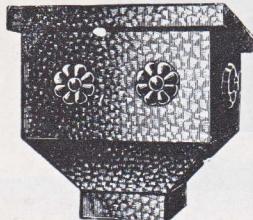
B. B. PERFECT PIPE STRAPS

Size	Wt. Per 100 Pcs.	Size	Wt. Per 100 Pcs.
1/4"	1 3/4 lbs.	1 1/2"	9 3/4 lbs.
3/8"	2 3/8 lbs.	2 "	13 1/4 lbs.
1/2"	2 7/8 lbs.	2 1/2"	20 lbs.
3/4"	4 1/8 lbs.	3 "	22 1/4 lbs.
1 "	6 1/8 lbs.	3 1/2"	43 3/4 lbs.
1 1/4"	7 5/8 lbs.	4 "	45 5/8 lbs.

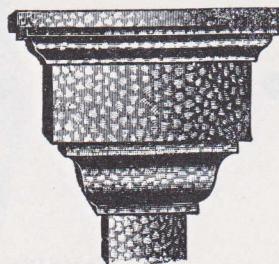
Neat, clean cut, round ends, uniform thickness. Scientifically constructed. More pieces per lb. Heavily tinned.

CONDUCTOR HEADS

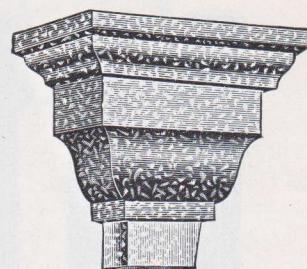
Made of Galvanized Steel, "Armco" Ingot Iron, "Toncan" Metal and Copper



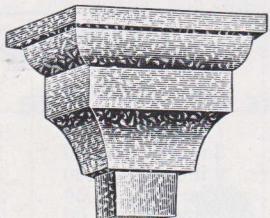
No. 1 { Outlet Face Depth Height
 2" x 3" 11" 6 3/4" 10"
 3" x 4" 12" 7 3/4" 11"
 List, \$3.00



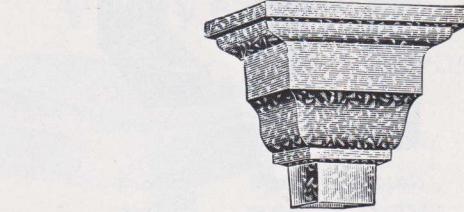
No. 5 { Outlet Face Depth Height
 2" x 3" 13" 7 1/2" 11'
 3" x 4" 14" 8 1/2" 12"
 List, \$3.50



No. 11 { Outlet Face Depth Height
 2" x 3" 11" 7" 8 1/2"
 3" x 4" 12" 8" 8 1/2"
 List, \$3.00



No. 14..... { Outlet Face Depth Height
 2" x 3" 10" 6 1/2" 8"
 3" x 4" 11" 7 1/2" 8"

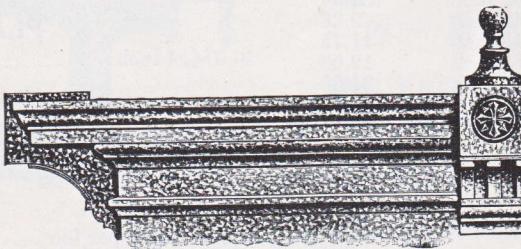


No. 15..... { Outlet Face Depth Height
 2" x 3" 10" 6 1/2" 8"
 3" x 4" 11" 7 1/2" 8"
 List, \$2.50

NOTE—All Heads we illustrate can be made with round or square outlets. The dimensions stated are based on 3" and 4" round, 2" x 3" and 3" x 4" square outlets. When ordering always state size and style of outlet wanted. Special designs also made to sketch or blue print.

Note—All Conductor Heads Are Made to Order Only and Are Not Returnable.

CORNICES

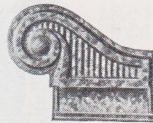


When Ordering State Height and Projection.

The above Cornice is a representative design illustrating but one of many designs we are prepared to furnish. Made to order only and not returnable.

NO. 915 GABLE FINIAL

Three Sizes

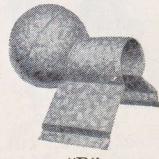


Made From Copper Alloy Ternes. Galvanized After Formed.

Made to fit 1 1/4, 1 1/2 and 2-inch Ridge Roll. Specify size when ordering.

Length, 10 inches, height, 8 inches.

NO. 5 GLOBE FINIAL

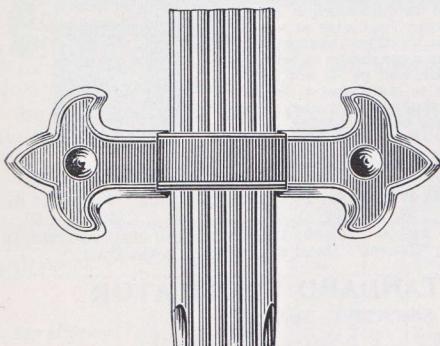


The base is so constructed that this finial will fit either 1 1/2 inch or 2-inch ridge roll. A very attractive but economical Ridge Ornament.

"B"

ORNAMENTAL CONDUCTOR STRAPS

-BB-



Style B Strap is very ornamental and of very high quality.

List Prices Each

3" Rd-2"x3" Sq. \$.80
4" Rd.-3"x4" Sq. .80
5" Rd.-4"x5" Sq. .90
6" Rd.-5"x6" Sq. 1.00

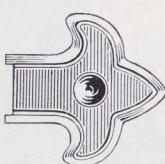
When ordering specify whether conductor is flush with wall or specific distance from wall.

Made in zinc, copper and galvanized steel.

STYLE B STRAP ENDS ONLY

Ends only are also furnished for those who prefer to assemble their own straps.

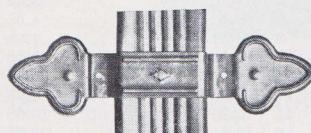
Strap End Size:
4 $\frac{5}{8}$ " wide.
5" long.



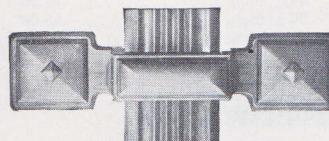
"Style B"

THE "RIVAL"

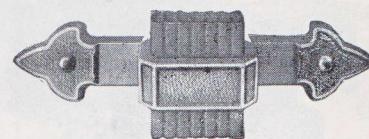
Made in Copper and Zinc



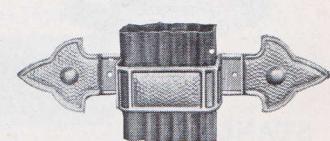
"Rival" Style "A"



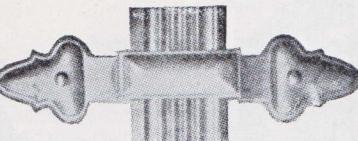
"Rival" Style "B"



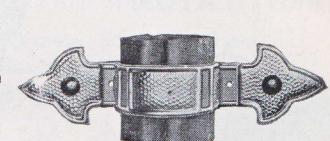
"Fitrite" Style "H" (High
 $\frac{3}{8}$ " Flange (Zinc only)



"Fitrite" Style "L" (Low)



"Rival" Style "C"



"Fitrite" Style "L," (Low)
Used on Round

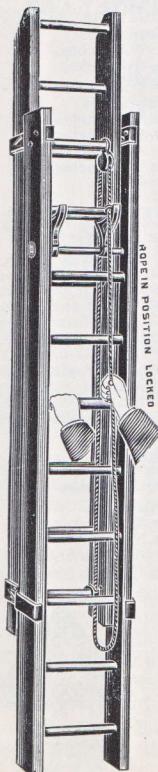
Prices Upon Application

PERFECTION EXTENSION LADDER

"A ONE MAN LADDER"

The Strongest, Safest and Lightest Ladder Made—

Averaging two pounds to the foot.



ROPE IN POSITION LOCKED

This Ladder is positively the best and safest extension ladder on the market. The sides are made of straight grain white spruce, rungs hand shaved and turned white oak, catch irons of malleable iron galvanized, bottom guides of malleable iron, top guides of hand forged wrought iron.

One endless rope operates it.

Rope can be changed to either side.

No rope or fixtures in the way.

Rope can be instantly detached for disconnection of ladder.

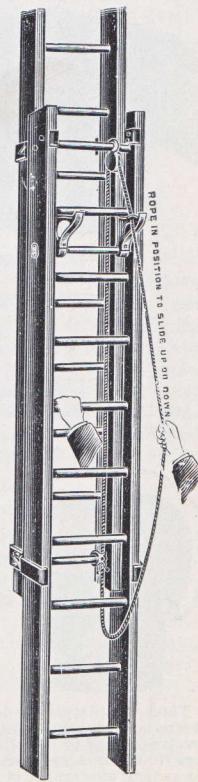
No complicated parts to get out of order.

Easy and absolutely sure to operate.

The catch irons have unlimited strength and durability.

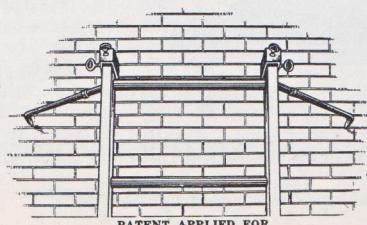
Can be instantly taken apart and used as single ladders when desired.

Both sections equal lengths and extended length is two feet less than the total.



DIMENSIONS

Side 1 $\frac{3}{8}$ x 3 inches, rungs 1 $\frac{1}{8}$ inch, rise 12 inches, extreme width 19 $\frac{1}{2}$ inches. Made in 20, 24, 28, 30, 32, 36 and 40 foot lengths.



PATENT APPLIED FOR

SEAMAN SAFETY BRACKET

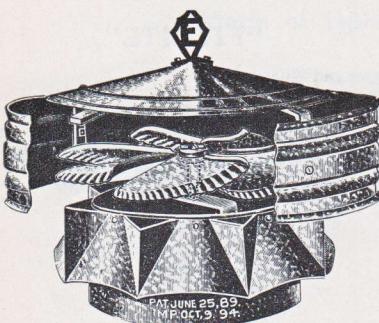
Fits Any Ladder

Insures Safety

Indispensable for hanging gutter, screens, etc. Holds the ladder away from building 14 inches. The safety clip on the arm keeps fire or paint pot from sliding.

VENTILATORS

EARLE VENTILATOR



Made of Galvanized Steel, "Armco" Ingot Iron, "Toncan" Metal and Copper

List Price Each
Galvanized

5 inch.....	\$2.50
5½ inch.....	2.85
6 inch.....	3.40
7 inch.....	4.00
8 inch.....	4.65
9 inch.....	5.20
10 inch.....	5.75
12 inch.....	6.75
14 inch.....	13.00
16 inch.....	20.00
18 inch.....	27.00
20 inch.....	33.00
24 inch.....	40.00
30 inch.....	65.00
36 inch.....	90.00

HERCULES VENTILATOR

Made of Galvanized Steel, "Armco" Ingot Iron, "Toncan" Metal and Copper



In designing this Ventilator we have eliminated all unnecessary "frills," etc., which are useless, with a view to furnishing a good looking Ventilator at a low price. The construction gives a maximum expulsion of air, and we do not hesitate to state that it is the equal of any stationary ventilator on the market.



PRICE LIST—GALVANIZED STEEL

Inches	4	5	5½	6	7	8	9	10	12	14
Each	\$1.75	\$2.50	\$2.85	\$3.40	\$4.00	\$4.65	\$5.20	\$5.75	\$6.75	\$13.00
Inches	16	18	20	24	30	36	40	48	60	
Each	\$20.00	\$27.00	\$33.00	\$40.00	\$65.00	\$120.00	\$180.00	\$240.00	\$360.00	

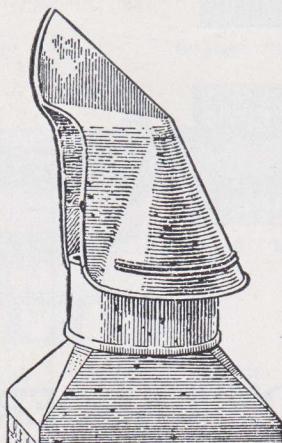
Price of "Armco" Ingot Iron, "Toncan" Metal or Copper on Application.

HAZEL VENTILATORS

STANDARD
"STAR"
VENTILATOR

Sectional View

The New Standard "Star" Ventilator needs no introduction. It has been on the market several years and has always given entire satisfaction.

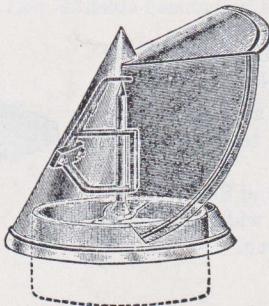


An excellent Ventilator, made of one piece of metal. Very efficient, but also economical.

Made in sizes 5" to 18" inclusive.

NEW ROTABLE STANDARD VENTILATOR

HAS A SENSITIVE BEARING



Patented

One of the most durable and efficient ventilators on the market. Has a sensitive bearing not affected by heat or cold and never requires lubrication.

PRICES
VOID

GALVANIZED INGOT IRON

Sizes, Inches	4	5	5½	6	7	8	9	10
Price, each..	\$2.20	\$2.40	\$2.60	\$2.80	\$3.20	\$3.50	\$4.20	
Sizes, inches.	12	14	16	18	20	22	24	
Price, each..	\$5.40	\$9.50	\$14.00	\$18.00	\$23.50	\$28.80		

COPPER QUOTED UPON APPLICATION. LARGER SIZES MADE TO ORDER

"ROYAL" VENTILATORS

Absolutely Waterproof

ROYAL FACTS

Double Cones.

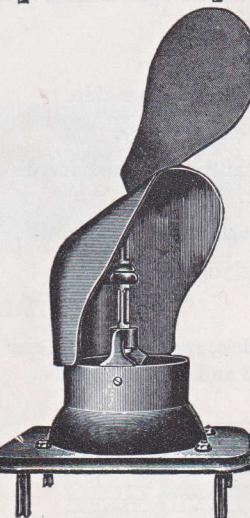
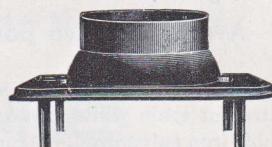
Scientifically Constructed Deflectors.

Pointed Bottom Cones.

Patented Radiating Ribs.

These features combined with many others make this Ventilator one of the best on the market.

Furnished with either glass or metal top.



THE "BEST" CHIMNEY CAP

No. 10 for Chimneys

1½x2 Brick, Flues 4x8 inches
2 x2 Brick, Flues 8x8 inches
Collar for 7 inch Pipe

No. 10½ for Chimneys

1½x2½ Brick, Flues 4x 8 inches
2 x2½ Brick, Flues 8x 8 inches
1½x2½ Brick, Flues 4x12 inches
2 x2½ Brick, Flues 8x12 inches
Collars for 8 inch pipe

THE "BEST" REVOLVING CHIMNEY CAP

Is all made of cast iron, except the vane, which is made of steel being fitted with perfectly adjusted ball bearings above and below, to take the side thrust. The slightest breeze turns the back of the hood to the wind and causes a suction at the opening which draws the smoke out, thus making a strong draft for the chimney. Absolutely prevents the rain from beating into the chimney, running down and discoloring the walls inside. It is practically indestructible and will last for years.

No. 1 for Chimneys

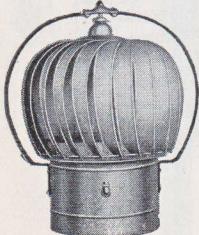
1½x2 Brick, Flues 4x8 inches
2 x2 Brick, Flues 8x8 inches

No. 1½ for Chimneys

1½x2½ Brick, Flues 4x 8 inches
2 x2½ Brick, Flues 8x 8 inches
1½x2½ Brick, Flues 4x12 inches
2 x2½ Brick, Flues 8x12 inches

LIST PRICE EACH GALVANIZED										
Inches	2	4	5	6	7	8	9	10	12	13
Price	\$1.00	\$1.75	\$2.50	\$3.40	\$4.00	\$4.65	\$5.25	\$5.75	\$6.75	\$10.00
Inches	14	15	16	18	20	22	24	26		
Price	\$13.00	\$16.00	\$20.00	\$27.00	\$33.00	\$36.00	\$40.00	\$50.00		
Inches	28	30	32	34	36	40	42	48		
Price	\$56.00	\$65.00	\$80.00	\$100.00	\$120.00	\$180.00	\$190.00	\$240.00		

Also Larger Sizes—Made of Galvanized Steel, "Armco" Ingot Iron, "Toncan" Metal and Copper.



UNO

Revolving Ventilator

Galvanized Iron (Painted)

MADE IN BRASS, COPPER OR GALVANIZED IRON (Painted)

These Ventilators are designed to meet the demand for a good Revolving Ventilator at a reasonable cost. They consist of a cylinder with malleable braces or arms in which revolves a head or fan attached to a steel spindle on hardened and adjusted steel bearings (in oil) making them perfectly noiseless and without friction. Illustration shows the general appearance of sizes from 7 inch to 15 inch. Sizes up to 6 inch are furnished without braces.

GALVANIZED HOODS OR CAPS

List Price Per Dozen Galvanized

Inches.	4	5	6	7	8	9	10	12
Price..	\$9.25	\$9.25	\$11.10	\$14.80	\$18.50	\$28.00	\$33.30	\$37.00



GALVANIZED OPEN HEARTH STEEL SHEETS



We carry a complete stock of the best quality sheets in all the standard sizes and gauges and are always in a position to make prompt shipments from store.

We also make mill shipments on quantity orders, thereby giving our customers the benefit of the freight allowance.

Average Weights of Galvanized Sheets, Standard Sizes
Per Sheet and Per Bundle in Pounds

Gauges	16	18	20	22	24
Lbs. Per Sq. Ft.	2.656	2.156	1.656	1.406	1.156
Size of Sheet	Wt. per Sheet	Wt. per Bundle	Wt. per Sheet	Wt. per Bundle	Wt. per Sheet
24x96	42.5	170	4	34.5	138
28x96	49.6	149	3	40.3	161
30x96	53.1	159	3	43.1	173
36x96	63.8	128	2	51.8	155
Gauges	26	27	28	29	30
Lbs. Per Sq. Ft.	.906	.844	.781	.719	.656
24x96	14.5	145	10	13.5	149
28x96	16.9	152	9	15.8	158
30x96	18.1	145	8	16.9	152
36x96	21.8	152	7	20.3	162

PAINTGRIP

This is a galvanized sheet with a full weight coating, especially treated to provide a fine textured surface capable of immediate painting. It has a chemical neutrality that retards aging and failure of paint. Paintgrip Sheets can be soldered satisfactorily by using regular strength muriatic acid.

Paintgrip is furnished in both Armco Steel and Armco Ingot Iron.

ARMCO INGOT IRON

Confidence—Built on Service



"ARMCO" INGOT IRON is a long-lasting sheet metal that you can depend upon. Its durability has been proved by the longest established record of actual service of all low-cost brands of iron and steel sheets.

This uniform sheet metal was the first low-cost iron made especially to resist the general wasting action of rust. It is a long-lasting metal in itself; but when given the extra protection of a full-weight galvanized coating, it becomes even more durable.

"ARMCO" INGOT IRON forms easily and quickly. Its careful refinement makes it uniformly soft and workable, free from irregular hard spots that interfere with accurate forming to intricate designs. Solder applied to galvanized "ARMCO" INGOT IRON takes firm anchorage. With but little preparation the solder will form a strong bond with the parts to be joined. Another advantage of the uniform refinement of Ingot Iron is its excellent welding properties. It melts evenly under welding temperatures and makes a sound flawless weld that is as strong and durable as the surrounding area.

We carry a large stock of hot rolled and galvanized "ARMCO" INGOT IRON at all times. All standard sizes in gauges ranging from 10 to 28 inclusive.

OPEN HEARTH BLACK SHEETS

One Pass, Cold Rolled, Box Annealed



Standard Sizes and Gauges Carried in Stock
Prompt Shipments From Mill

OPEN HEARTH, UNIFORM COLOR BLUED STEEL SHEETS

(For Stove Pipe)



Clean—Smooth—Uniform Color
Standard Sizes and Gauges Always in Stock
Prompt Shipments From Mill

Average Weights of Black Sheets, Standard Sizes
Per Sheet and Per Bundle in Pounds

Gauges	16	18	20	22	24
Lbs. Per Sq. Ft.	2.5	2.	1.5	1.25	1.
Size of Sheet	Wt. per Sheet	Wt. per Bundle	Wt. per Sheet	Wt. per Bundle	Wt. per Sheet
24x96	40.00	160	432.00	160	524.00
28x96	46.67	140	337.33	149	428.00
30x96	50.00	150	340.00	160	430.00
36x96	60.00	120	248.00	144	336.00
Gauges	26	27	28	29	30
Lbs. Per Sq. Ft.	.75	.6875	.625	.5625	.5
24x96	12.00	144	1211.00	143	1310.00
28x96	14.00	154	1112.83	152	1211.67
30x96	15.00	150	1018.75	151	1112.50
36x96	18.00	144	816.50	148	915.00

"TONCAN" METAL



"TONCAN" IRON is a scientifically refined open hearth iron with which copper and molybdenum are alloyed in the correct proportion. Of all ferrous metals in its price class, it is most highly resistant to rust.

"TONCAN" IRON is also rust-resistant because it is chemically uniform. It is one of the most ductile of materials. It is remarkably soft. It forms easily. Unlike other ferrous materials, cold working—such as bending, punching, stamping, drawing, etc.—has practically no effect upon the rust-resistance of "TONCAN" IRON. This means that seams and sheared edges are as rust-resistant as unworked portions. "TONCAN" IRON welds easily by any of the accepted methods.

Costs Less Per Year of Service

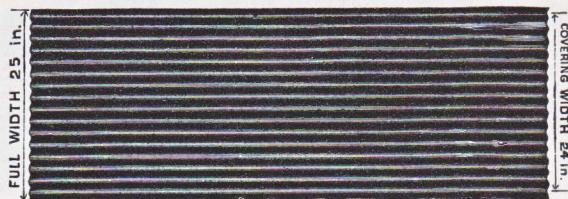
Because of its longer service life, it has been found to cost far less per year of service. It is insurance against early sheet failures and frequent costly replacements. This modern alloy iron is used extensively for such applications as ducts for air-conditioning, heating and ventilating, skylights, tanks, troughs, conductor pipe, roofing and siding, smoke pipe, coping, cornices, gutters, wall flashing, valleys, ridge roll, ventilators, doors and window frames. It is particularly effective in salt water atmosphere, and in service where corrosion is ordinarily severe.

For your protection, every sheet is stenciled with the "TONCAN" IRON trademark in green. "TONCAN" IRON is available in a wide variety of sizes and gauges.

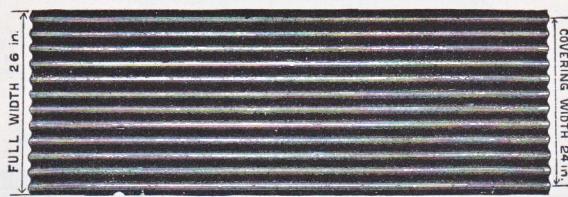
CORRUGATED SHEETS, STEEL, "ARMCO" INGOT IRON AND "TONCAN" METAL

PAINTED OR GALVANIZED

We desire to call your attention to the following illustrations of Corrugated Sheet Iron for Roofs, Sides, Ceilings and Partitions for fireproof buildings.



Corrugations one and one-quarter inches from centre to centre, and three-eighths of an inch deep. This is used mostly for Ceilings, Siding and Partitions. Sheets when corrugated measure 25 inches wide and will cover 24 inches from centre to centre of outside corrugations.



Corrugations two and one-half inches from centre to centre, and five-eighths of an inch deep. This style is suitable for Roofing, Siding, Partitions, Curved Ceilings and Awnings. Sheets when corrugated measure 26 inches wide, and will cover 24 inches from centre to centre outside of corrugations.

Corrugated Sheets, 5, 6, 7, 8, 9, 10, 11 and 12 feet in length. In any gauge from Nos. 16 to 28 inclusive.

NOTE—11 and 12 feet lengths take a small extra.

Corrugated Roofing, 27½ Inches Wide, Also Furnished.

TWO INCH ROLL, CORRUGATED RIDGE ROLL

To Fit 1½ and 2½ Inch Corrugations

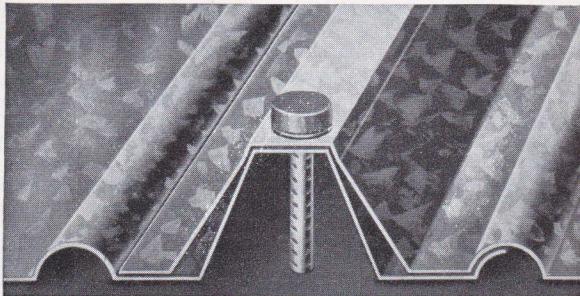


CORRUGATED END AND SIDE WALL FLASHING

Cut Illustrates End Wall Flashing



ARMCO SEAL-KRIMP ROOFING

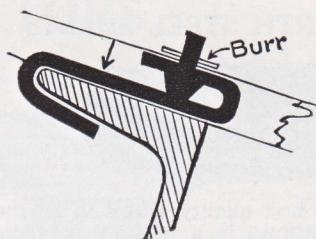


SEAL-KRIMP lap after nailing. The upright legs are forced downward and outward making a pressure-sealed contact against the bottom sheet and beads on either side of ridge.

ANCHOR LEAD HEAD NAILS



Won't loosen or pull out. Drives without rotation or damage to the head. It keeps the roofing tight and assures a lasting seal of soft lead.



**B. B.
ROOFING CLIPS**

For fastening Corrugated Sheets to angle or channel iron. Made with ample strength but narrow enough to fit into any standard corrugation. On jobs where angle irons are used as framework every other line of angles should be reversed to prevent Corrugated Sheets from shifting. The hole in sheet for rivet can be made with rivet set or hammer alone as the rivet is fastened in the clip and backed up by angle as shown in sketch.

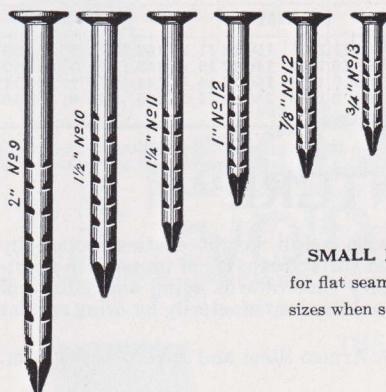
The Clip is made of 12 gauge steel, $\frac{5}{8}$ " wide, round edge. Rivet extends $\frac{5}{16}$ " above top of Clip. Also furnished with rivets projecting $\frac{1}{2}$ " for heavy roofing at slight extra cost. Rivet is assembled in Clip and then both are heavily tinned. A tinned burr is furnished for each Clip. Packed in two size cartons, 100 and 250 pieces. Send for sample.



**CLINCH
NAILS**

For fastening Corrugated Sheets to iron purlins or iron framework. Made of No. 9 wire, galvanized in lengths from 3 to 14 inches.

BARBED ROOFING NAILS



Full Size Illustration
 $\frac{3}{4}$ inch, No. 13 wire.
 $\frac{7}{8}$ inch, No. 12 wire.
1 inch, No. 12 wire.
1½ inch, No. 11 wire.
1¾ inch, No. 10 wire.
2 inch, No. 9 wire.

SMALL HEAD BARBED ROOFING NAILS
for flat seam roofing furnished in $\frac{3}{4}$, $\frac{7}{8}$ and 1 inch sizes when so ordered.

**B. B. SPECIAL GALVANIZED
SLATERS' NAILS**

Needle Point

More nails to the pound. Easier driven and less slate breakage.

**WIRE SLATING
NAILS**

2, 3, 4 and 6d. in 100-pound kegs

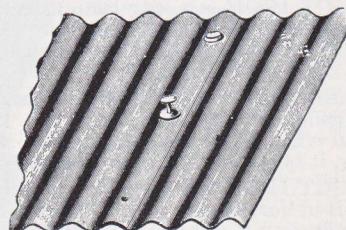
LEAD WASHERS



No. 1
(3-32 in. hole)



No. 2
($\frac{1}{4}$ in. hole)
One Pound
contains over
300 Washers



The illustration shows the application of Lead Washers to corrugated iron roofing and siding. The advantage in using same is that it makes an absolutely water-tight joint, prevents leaking and rusting at the nail hole, thereby prolonging the life of a roof.

About one pound of these Washers are required to lay three squares of corrugated roofing.

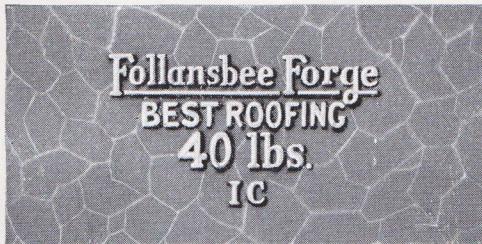
About one pound of 1½ inch barbed roofing nails are required to lay one square of corrugated roofing.

SEAMLESS ROLL ROOFING



Recognized as the ideal roofing, substantial economies in time, labor and material are now being secured by the use of this seamless product in roofs, valleys and gutters. This seamless roll is available in 50 foot lengths in 40 lb., 20 lb., and 8 lb. weights and in widths 14", 20" and 28"; painted one or two sides.

FOLLANSBEE ROOFING TERNES



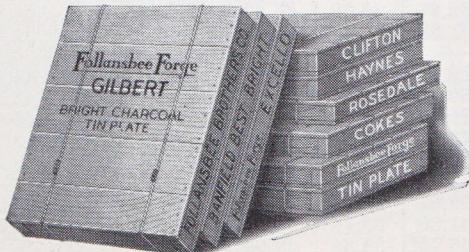
The base plates of our roofing ternes are Follansbee Forge, Copper Bearing Steel. Forging adds strength as well as working and wearing quality. The coating is of just the proper proportion of pure tin and refined lead and is applied uniformly to every part of the sheet. Furnished in boxes or rolls in the following weights: 40 lb., 30 lb., 25 lb., 20 lb., 15 lb., and 8 lb.

COKE TIN



Coke Tin is a bright tin plate commonly used for heater pipe and fittings.

CHARCOAL TIN



Charcoal is a bright tin plate, graded according to the amount of coating. The six brands, regularly produced, are 1A, 2A, 3A, 4A, 5A, and 6A. 3A is normally stocked in weights 1C, 1X, 2X, 3X, and 4X.



READY ROLL CONTINUOUS TIN ROOFING

None Better

We furnish all of our grades of roofing plates in rolls.

This tin is re-squared and put together by men who are paid by the week and not by the roll. This insures each seam being thoroughly soldered and the rolls well painted.

Every roll guaranteed to give perfect satisfaction. Furnished in 14, 20 and 28-inch widths.

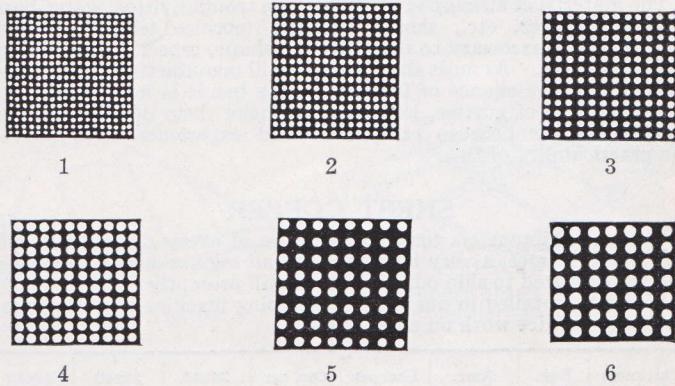
Painted both sides at a Small Extra Cost

FIRE DOOR TIN

In Boxes 14x20 inches, Carrying 20 Pounds Coating to Meet Fire Underwriters' Specifications

PERFORATED TIN

Made of Full Weight Bright Plates, Sheets 14x20



Numbers..... 1 2 3 4 5 6
Perforations per lineal inch... 18 15 12 9 7½ 7

SHEET ZINC

Leading Sizes. Lowest Market Prices Per Pound
Schedule of Weight Per Sheet

U. S. Standard Gauge No.	26	25	24	23	21	20	19	18	I 16
M. & H. Zinc Gauge No.	9	10	11	12	14	15	16	17	19
24x84.....	9.4	10.5	12.6	14.7	18.9	21.0	23.5	26.2	31.5
26x84.....	10.2	11.4	13.7	16.0	20.5	22.8	25.6	28.4	34.2
28x84.....	10.9	12.2	14.7	17.1	22.0	24.5	27.4	30.5	36.7
30x84.....	11.8	13.2	15.8	18.4	23.6	26.2	29.4	32.8	39.4
32x84.....	12.6	14.1	16.9	19.7	25.8	28.3	31.4	35.0	42.0
34x84.....	13.4	15.0	18.0	20.9	26.9	29.9	33.4	37.2	44.8
36x84.....	14.1	15.8	18.9	22.0	28.4	31.5	35.3	39.3	47.2
40x84.....	15.7	17.6	21.0	24.6	31.6	35.1	39.3	43.8	52.6
44x84.....	17.2	19.3	23.1	27.0	34.7	38.6	43.2	48.1	57.8
48x84.....	18.8	21.0	25.2	29.1	37.8	42.0	47.0	52.4	63.0
52x84.....	20.4	22.8	27.4	31.9	41.0	45.6	51.0	56.9	68.4

We can also furnish from Stock No. 9—36"x96"
Zinc Gauge can be maintained only approximately

CRIMPED COPPER AND ZINC

Regular Cornice Crimp

We maintain our own crimping machine and are prepared to crimp sheets on short notice.

SHEET LEAD

Approximate thickness. 1/64 1/48 1/32 1/25 3/64 1/16 5/64 3/32 1/8 1/4 in.
Weight per square foot. 1 1½ 2 2½ 3 4 5 6 8 16 lbs.

SHEET COPPER FOR ROOFING

Sheet Copper is the ideal roofing material. Because it cannot rust, and because of the absolute protection it affords under all types of weather conditions, it is also an economical material.

It does not require painting or protective treatment; the first cost is the only cost involved. For these reasons, the ideal roof is one in which copper is used throughout.

However, where the preference of the home owner or style of architecture dictates roofs of other materials—such as slate, shingles, or composition shingles, clay or cement tile—Sheet Copper also plays an important part.

Flashings, valleys, ridges, cornices, gutters, eaves troughs and conductor pipes should be constructed of Sheet Copper to insure maximum protection against weather.

SOFT COPPER (ROOFING TEMPER)

Soft or (Roofing Temper) Copper should be used for roofing purposes and all flashings regardless of type. This type of copper is particularly suitable for these uses inasmuch as it is easily worked and shaped and stands up well under temperature stresses. There is no place in flashing—or counter flashing—where soft sheets will not serve better than hard copper. The latter does not lend itself so readily to shaping on the job.

HARD COPPER (CORNICE TEMPER)

The material of all shaped gutters, eaves troughs, drips, water-bars, leaders, cornices, etc., should be hard (cornice temper) copper. Its stiffness is necessary to maintain the shape, especially against ice and snow loads. As most shapes are of mill manufacture, the process is such that the chance of fracture at the bends is minimized. All manufacturers of gutters, leaders, etc., make them of hard (cornice temper) copper because experiment and experience have proved the practicability of this.

SHEET COPPER

We are headquarters for Sheet Copper of every description, and carry, at all times, a very large stock of all regular sizes and gauges, and are prepared to ship odd sizes from mill promptly.

We have installed in our plant a crimping machine and can crimp sheets for cornice work on short notice.

Thickness Inches	Eng. Stbs.	Amr. B-S.	Lbs. per sq. ft.	Ozs. per sq. ft.	24x48 per shrt.	30x60 per shrt.	48x72 per shrt.
.300	1	i	13.80	221	111	173	332
.289	.	i	13.29	213	107	166	320
.284	2	.	13.06	209	105	163	314
.259	3	.	11.91	191	96	140	287
1/4—258	.	2	11.87	190	95	149	285

SHEET COPPER—Continued

Thickness Inches	Eng. Stbs.	Amr. B-S.	Lbs. per sq. ft.	Ozs. per sq. ft.	24x48 per shrt.	30x60 per shrt.	48x72 per shrt.
.238	4	.	10.95	175	88	137	263
.229	.	3	10.53	168	84	131	252
.220	5	.	10.12	162	81	127	243
.204	.	4	9.38	150	75	117	225
1/5—203	6	.	9.34	149	75	117	224
.182	.	5	8.37	134	67	105	200
.180	7	.	8.28	132	66	104	198
1/6—165	8	.	7.60	121	61	95	182
.162	.	6	7.45	119	60	93	179
.148	9	.	6.81	109	55	85	164
.144	.	7	6.62	106	53	83	159
.134	10	.	6.16	99	50	77	149
1/8—128	.	8	5.89	94	47	74	141
.120	11	.	5.52	88	44	69	132
.114	.	9	5.24	84	42	66	126
.109	12	.	5.01	80	40	63	120
1/10—102	.	10	4.69	75	38	59	113
.095	13	.	4.37	70	35	55	105
.091	14	.	4.19	67	34	52	101
1/12—083	.	..	3.82	61	31	48	92
.081	.	12	3.73	60	30	47	90
.072	15	13	3.31	53	27	41	80
1/16—065	16	.	2.99	48	24	37	72
.064	.	14	2.95	47	24	37	71
.058	17	.	2.67	43	22	33	65
.057	.	15	2.62	42	21	33	63
.051	.	16	2.35	38	19	29	57
.049	18	.	2.25	36	18	28	54
.045	.	17	2.07	33	17	26	51
.042	19	.	1.93	31	16	24	48
.040	.	18	1.84	29	15	23	45
.036	.	19	1.66	27	14	21	42
.035	20	.	1.61	26	13	20	39
1/32—032	21	20	1.47	24	12	18	36
.028	22	21	1.29	21	11	16	33
.025	23	22	1.15	18	9	14	27
.023	.	23	1.06	17	9	13	26
.022	24	.	1.00	16	8	12.5	24
.020	25	24	.92	15	7.5	11.5	22.5
.018	26	25	.83	13	6.5	10.3	19.5
1/64—016	27	26	.74	12	6	9.2	18
.014	28	27	.64	10	5	8	15
.013	29	28	.60	9.5	5	7.5	15
.012	30	.	.55	9	4.5	6.8	13.5
.011	.	29	.51	8	4	6.3	12
.010	31	.	.46	7	3.8	5.7	10.5
.009	32	31	.41	7	3.8	5	10.5
.008	33	32	.37	6	3	4.6	9
.007	34	33	.32	5	2.5	4	7.5
.006	.	34	.28	4	2	3.5	6
.005	35	36	.23	4	2	2.8	6
.0045	.	37	.21	3	1.5	2.6	4.5
.013	29	28	.18	2.88	1.44	2.2	4.26
.012	30	.	.18	2.88	1.44	2.2	4.26
.011	.	29	.16	2.56	1.28	2.1	3.84
.010	31	.	.14	2.24	1.12	1.7	3.73

Variations in the gauge of the rolled metal must be expected in practice

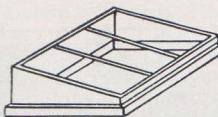
SHEET COPPER

Sizes 14 in. x 48 in. to 60 in. x 120 in.

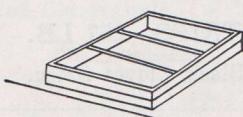
Thickness by Weights Per Square Foot—Pounds Per Sheet

Sheet Size Inches	8 oz.	10 oz.	12 oz.	14 oz.	16 oz.	18 oz.	20 oz.	24 oz.	28 oz.	30 oz.	32 oz.	36 oz.	40 oz.	44 oz.	48 oz.
14x48.....	2.33	2.92	3.50	4.08	4.67	5.25	5.83	7.00	8.19	8.75	9.33	10.50	11.69	12.81	14.00
20x96.....	6.67	8.33	10.00	11.67	13.33	15.00	16.67	20.00	23.33	25.00	26.67	30.00	33.33	36.67	40.00
24x48.....	4.00	5.00	6.00	7.00	8.00	9.00	10.00	12.00	14.00	15.00	16.00	18.00	20.00	22.00	24.00
24x60.....	5.00	6.25	7.50	8.75	10.00	11.25	12.50	15.00	17.50	18.75	20.00	22.50	25.00	27.50	30.00
24x72.....	6.00	7.50	9.00	10.50	12.00	13.50	15.00	18.00	21.00	22.50	24.00	27.00	30.00	33.00	36.00
24x84.....	7.00	8.75	10.50	12.25	14.00	15.75	17.50	21.00	24.50	26.25	28.00	31.50	35.00	38.50	42.00
24x96.....	8.00	10.00	12.00	14.00	16.00	18.00	20.00	24.00	28.00	30.00	32.00	36.00	40.00	44.00	48.00
26x96.....	8.67	10.83	13.00	15.17	17.33	19.50	21.67	26.00	30.33	32.50	34.67	39.00	43.34	47.67	52.00
28x96.....	9.34	11.67	14.00	16.33	18.67	21.00	23.33	28.00	32.67	35.00	37.33	42.00	46.66	51.33	56.00
30x60.....	6.25	7.81	9.38	10.94	12.50	14.06	15.63	18.75	21.88	23.44	25.00	28.13	31.26	34.38	37.50
30x72.....	7.50	9.38	11.25	13.13	15.00	16.88	18.75	22.50	26.25	28.13	30.00	33.75	37.50	41.25	45.00
30x84.....	8.75	10.94	13.13	15.31	17.50	19.69	21.88	26.25	30.63	32.81	35.00	39.38	43.76	48.13	52.50
30x96.....	10.00	12.50	15.00	17.50	20.00	22.50	25.00	30.00	35.00	37.50	40.00	45.00	50.00	55.00	60.00
30x120.....	12.50	15.63	18.75	21.88	25.00	28.13	31.25	37.50	43.75	46.88	50.00	56.25	62.50	68.75	75.00
32x96.....	10.67	13.34	16.00	18.67	21.33	24.00	26.67	32.00	37.33	40.00	42.67	48.00	53.34	58.67	64.00
34x96.....	11.34	14.17	17.00	19.84	22.67	25.50	28.33	34.00	39.67	42.50	45.33	51.00	56.66	62.33	68.00
36x72.....	9.00	11.25	13.50	15.75	18.00	20.25	22.50	27.00	31.50	33.75	36.00	40.50	45.00	49.50	54.00
36x84.....	10.50	13.13	15.75	18.38	21.00	23.63	26.25	31.50	36.75	39.38	42.00	47.25	52.50	57.75	63.00
36x96.....	12.00	15.00	18.00	21.00	24.00	27.00	30.00	36.00	42.00	45.00	48.00	54.00	60.00	66.00	72.00
36x120.....	15.00	18.75	22.50	26.25	30.00	33.75	37.50	45.00	52.50	56.25	60.00	67.50	75.00	82.50	90.00
48x72.....	12.00	15.00	18.00	21.00	24.00	27.00	30.00	36.00	42.00	45.00	48.00	54.00	60.00	66.00	72.00
60x120.....	25.00	31.25	37.50	43.75	50.00	56.25	62.50	75.00	87.50	93.75	100.00	112.50	125.00	137.50	150.00

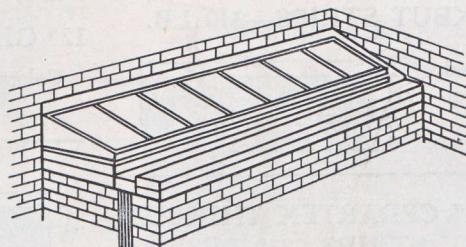
SKYLIGHTS



No. 1 Single Pitch Skylight for Level Curb

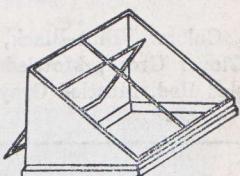


No. 1-A Single Pitch Skylight for Pitched Curb

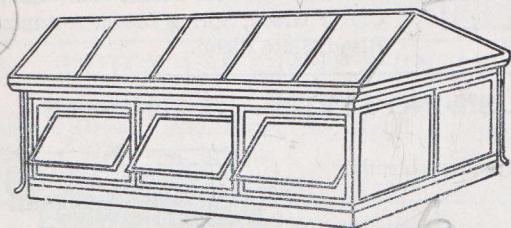


No. 2 Areaway Skylight

BATHROOM



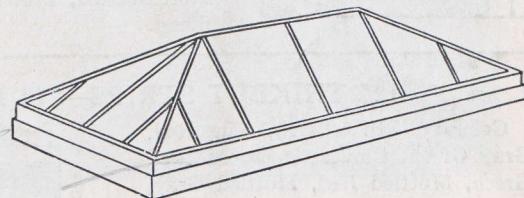
No. 3 Single Pitch Skylight with Ventilating Sash



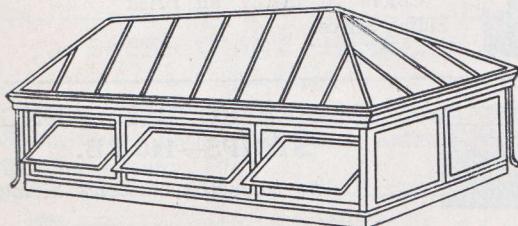
No. 5 Monitor—with Double Pitch Skylight and Ventilating Sash



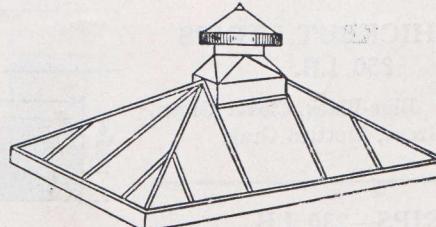
No. 7 Hip Skylight with Ridge Ventilator



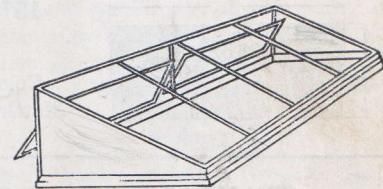
No. 6 Hip Skylight



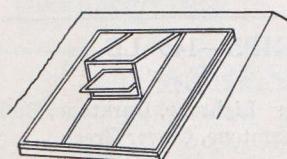
No. 9 Monitor—with Hip Skylight and Ventilating Sash



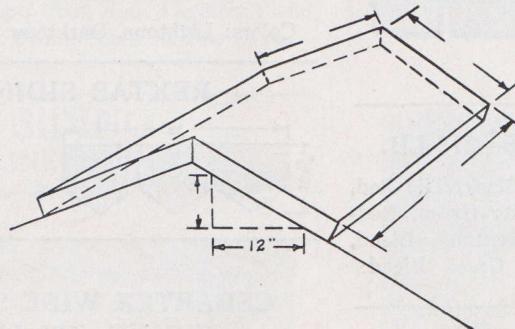
No. 8 Hip Skylight with Ventilator



No. 11 Single Pitch Skylight with Ventilating Sash

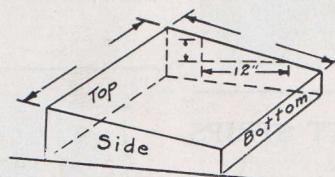
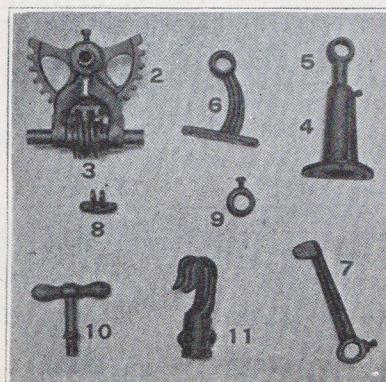


No. 12 Single Pitch Skylight Showing Method of Ventilating



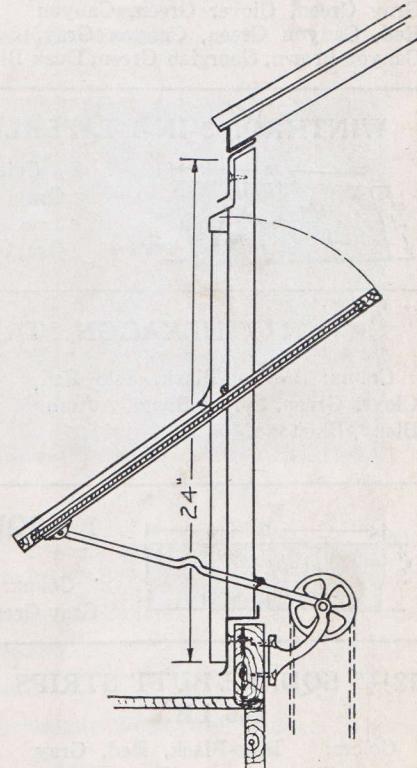
Curb for Double Pitch Skylight Showing Dimension Lines

SKYLIGHT GEARING For $\frac{1}{2}$ -Inch Pipe



Curb for Single Pitch Skylight Showing Dimension Lines

	List Price
Nos. 1-2-3, Lifting Power	\$1.20
Nos. 4-5, Extension	.61
No. 6, Louvre Bracket—3 inch	.16
No. 7, Arm—4½ inch	.22
No. 8, Hinge	.08
No. 9, Collar	.09
No. 10, Handle—Male	.13
No. 11, Pole Hook	.44

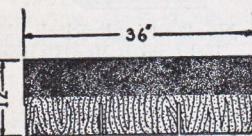
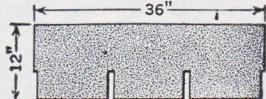


Operating Device for Ventilating Sash

FLINTKOTE SHINGLES, SIDINGS AND ROOFINGS

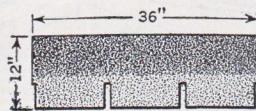
12" HEAVY DUTY THIKBUT STRIPS—240 LB.

Colors: Blue-Black, Tile Red, Clover Green, Mottled Green, Mottled Red, Mottled Gray.



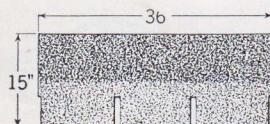
12" CEDARTEX THIKBUT STRIPS—210 LB.

Colors: Blue-Black, Clover Green, Mottled Red, Mottled Gray, Green Blend.



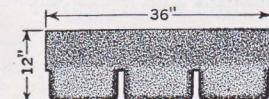
12" THIKBUT STRIPS—210 LB.

Colors: Blue-Black, Tile Red, Gray Green, Clover Green, Mottled Green, Mottled Red, Mottled Gray, Mottled Blue, Green Blend, Dusk Blue, Dubonnet.



15" THICKBUT STRIPS—250 LB.

Colors: Blue-Black, Clover Green, Mottled Green, Mottled Gray.

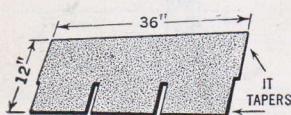


STANDARD SETAB STRIPS—230 LB.

(Not Stocked. Available on special order only.)

Colors: Blue-Black, Tile Red, Gray Green, Clover Green, Canyon Red, Canyon Green, Canyon Gray, Canyon Brown, Georgian Green, Dusk Blue.

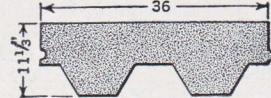
WINTHROP 3-IN-1 TAPERED STRIPS—275 LB.



Colors: Blue-Black, Tile Red, Gray Green, Clover Green, Red-tone Blend, Greentone Blend, Graytone Blend, Green Blend.

11 1/3" HEXAGON STRIPS—167 LB.

Colors: Blue-Black, Tile Red, Clover Green, Spring Blend, Autumn Blend, Bluetone.

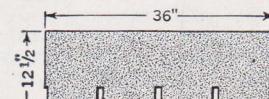
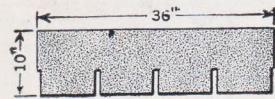


10" SQUARE BUTT STRIPS—210 LB.

Colors: Blue-Black, Red, Tile Red, Gray Green, Clover Green.

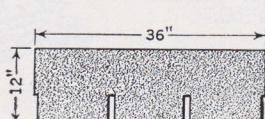
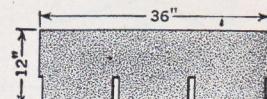
12 1/2" SQUARE BUTT STRIPS—266 LB.

Colors: Blue-Black, Red, Gray Green, Clover Green, Warm Blend, Kool Blend, Slate Blend.



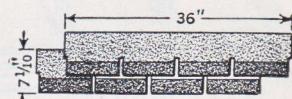
12" GIANT STRIPS—257 LB.

Colors: Blue-Black, Clover Green.



12" STALWART STRIPS—240 LB.

Colors: Blue-Black, Tile Red, Clover Green, Spring Blend, Autumn Blend, Slate Blend.



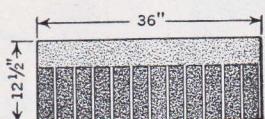
THIKBRIK SIDING STRIPS—175-210-230 LB.

Furnished in all standard blends and mortar lines.

BRICK SIDING CORNER PIECES

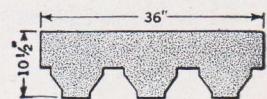


Colors to match all Brick Siding Strips.



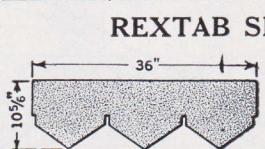
SOLDIER COURSE SIDING STRIPS—140 LB.

Colors to match all Brick Siding Strips.



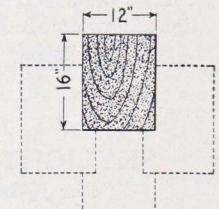
RE-NU SIDING STRIPS—139 LB.

Colors: Lightone, Darktone.



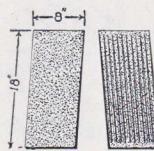
REXTAB SIDING STRIPS—149 LB.

Colors: Lightone, Darktone, Buff-tone, Creamtone, Clover Green.



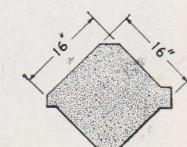
CEDARTEX WIDE SPACE SIDING—170 LB.

Colors: Ivory Blend, Brown Blend, Green Blend, Antique Brown.



TAPERED MASTIC INDIVIDUAL SHINGLES—375 LB.

Colors: Blue-Black, Tile Red, Clover Green, Antique Brown, Slate Blend.

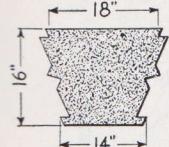
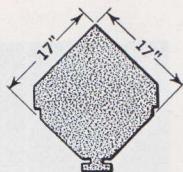


STAPLE-LOX SHINGLES—138 LB.

Colors: Blue-Black, Tile Red, Clover Green, Spring Green, Autumn Red. Red Staples Furnished.

FLINTLOCK SHINGLES—138 LB.

Colors: Blue-Black, Tile Red, Clover Green, Spring Green, Autumn Red.



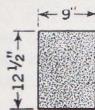
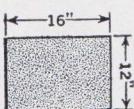
**ALL-WEATHER SHINGLES
167 LB.**

Colors: Blue-Black, Clover Green, Autumn Blend, Spring Blend.

DUTCH LAP GIANT SHINGLES—162 LB.

Colors: Blue-Black, Tile Red, Gray Green, Clover Green, Green Blend, Red Blend, Antique Brown, Weathered Brown.

Dutch Lap Clips Furnished.

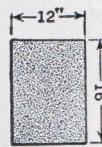


**STANDARD INDIVIDUAL SHINGLES
253 LB.**

Colors: Blue-Black, Tile Red, Clover Green.

**SUPER GIANT SHINGLES
325 LB.**

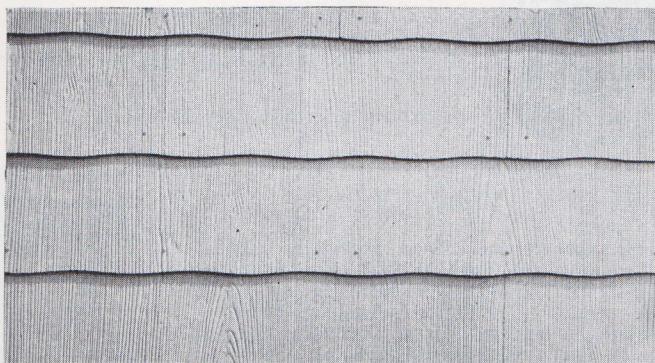
Colors: Blue-Black, Tile Red, Gray Green, Clover Green, Green Blend, Red Blend, Antique Brown, Weathered Brown.



EMBOSSED BRICK STRIP SIDING—105 LB.

Colors: Red, Buff, Tapestry Blend, Russet Blend, Black Mortar Lines.

**ASBESTOS SIDING
NO. 62W WAVELINE SIDING
(Woodgrain Finish—Sealkote)**



Size.....9 1/2" x 24" x approx. 5/32"
Shingles per Square.....75
Bundles per Square.....3
Exposure.....8" x 24"
Headlap.....1 1/2"
Approx. Wgt. per Square.....195 lbs.

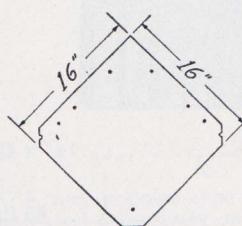
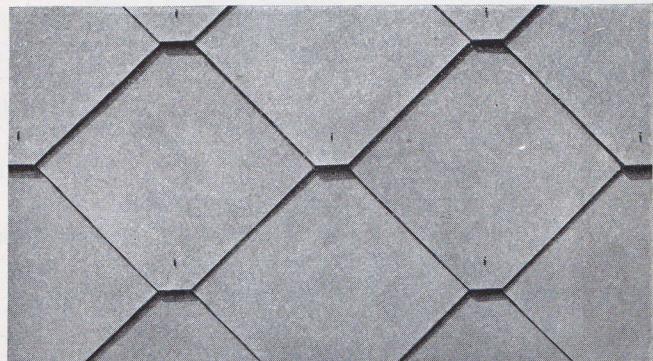
Colors:

Silver Gray White

ASBESTOS SHINGLES

NO. 10 HEXAGONAL SHINGLES

(Smooth Finish)

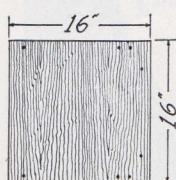


Size.....16" x 16" x approx. 5/32"
Shingles per Square.....86
Shingles per Bundle.....20
Exposure.....13" x 13"
Lap.....3"
Approx. Weight per Square 265 lbs.

Colors:
Blue-Black Gray Green Red

NO. 20 DUTCH LAP SHINGLES

(Woodgrain Finish)

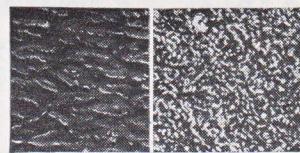
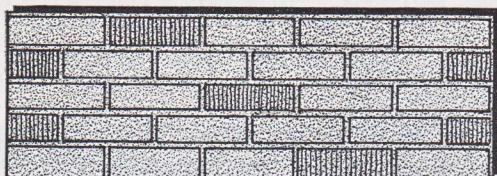


Size.....16" x 16" x approx. 5/32"
Shingles per Square.....92
Shingles per Bundle.....23
Exposure.....13" x 12"
Headlap.....3" Sidelap.....4"
Approximate Weight per Square.. 280 lbs.

Colors:
Blue-Black Gray Green Red

INSULATED BRICK SIDING

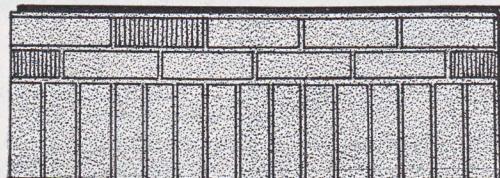
Master Panel



Size (approx.)	14" x 43"
Pieces per Carton	12
Cartons per Square	2
Approx. Weight per Square	220 lbs.

Buff	Red	Colors: Russet Blend	Tapestry Blend
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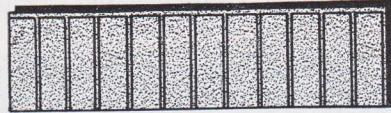
COMBINATION SOLDIER COURSE PANEL



Size (approx.)	14" x 43"
Pieces per Carton	7
Lineal Feet per Carton	25
Approx. Weight per Carton	65 lbs.

Buff	Red	Colors: Russet Blend	Tapestry Blend
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INDIVIDUAL SOLDIER COURSE STRIP



Size (approx.)	9" x 35"
Pieces per Carton	16
Lineal Feet per Carton	46
Approx. Weight per Carton	70 lbs.

Buff	Red	Colors: Russet Blend	Tapestry Blend
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TRIM PIECE

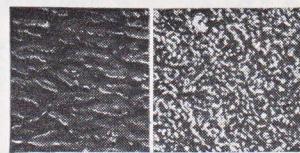
Size (approx.)	4 1/2" x 33"
Pieces per Carton	36
Lineal Feet per Carton	100
Approx. Weight per Carton	90 lbs.

Buff	Red	Colors: Russet Blend
		Tapestry Blend

CORNER PIECE

Size (approx.)	4" x 4" x 33"
Pieces per Carton	9
Lineal Feet per Carton	25
Approx. Weight per Carton	55 lbs.

Buff	Red	Colors: Russet Blend
		Tapestry Blend



Flintkote
Smooth Surface
Roofings



Flintkote
Mineral Surface
Roofings

TIN CAPS FOR ROOFING

One pound contains approximately 225 Caps.



ASBESTOS FELT

Flintkote Asphalt Saturated Asbestos Felt is available in three weights: 55, 20 and 15 lbs. per 100 square feet. The 55 lb. Felt is for use as a base felt in all-asbestos specifications. The 20 lb., coated one side only, is used as the finishing felt in all-asbestos and combination asbestos specifications. The 15 lb. Felt is a lighter alternate for 20 lb. Asbestos Felt. Rolls of the 55 lb. Felt contain 108 square feet and rolls of the lighter weights contain 324 square feet. They weigh approximately 55, 60 and 45 lbs. per roll respectively. All rolls are 32" wide.

TARRED AND SLATERS' FELT

Slater's Felt
Rolls, 30 lbs., 500 square feet.



Single Ply Tarred Felt
3 Grades—12, 14, 15 Lbs.

Asphalt Felt
3 Grades—14, 15, 30 Lbs.



RED ROSIN SIZED SHEATHING

Weatherproof Brand

No. 20, about 20 lbs. per roll, 500 square feet.
No. 40, about 40 lbs. per roll, 500 square feet.



ROOFING PITCH

Our roofing pitch is the very best grade procurable.

Barrels, approximately 350 pounds.

VISKALT

Flintkote Viskalt is an especially refined asphalt of the highest quality specifically developed for high grade built-up roofing work. It is recommended for use wherever the absolute best is required. It is particularly advisable to use Viskalt for smooth surface roofs and its use is required by Flintkote on such roofs when a bond is to be furnished.

This superior product is made by blending selected asphalt fluxes in expertly controlled scientific manufacturing processes. It is available in 50 gallon drums weighing approximately 425 lbs. and in convenient 100 lb. paper bags.

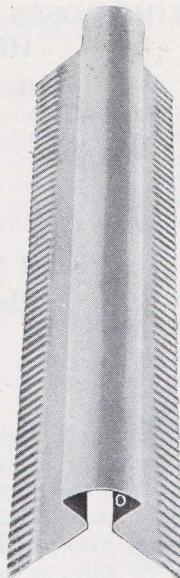
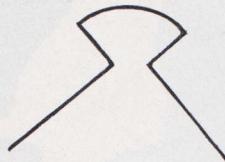


ROOFING SLAG

We handle only the finest quality Roofing Slag. Furnished in 100 lb. bags or by the ton in bulk.

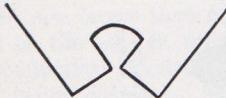
NO. 9. ZINC CORNER BEAD

For Outside Corners

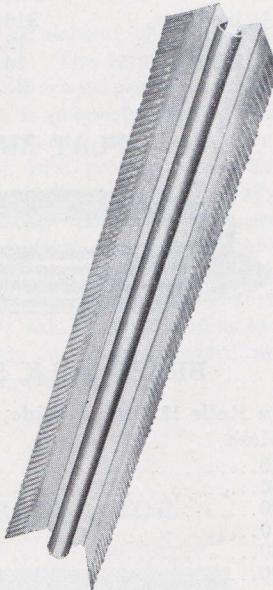


A perfectly fitting, precision made trim for use with asphalt or asbestos shingles. Completely eliminates all mitering or fitting. No more worries about chipped corners or open spaces.

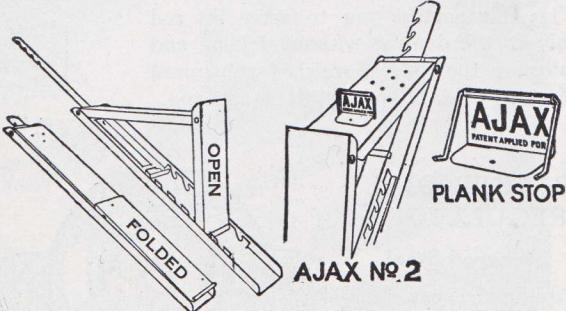
For Inside Corners



A practical and economical trim that will more than pay for itself with labor saved.



AJAX FOLDING ROOF BRACKET



AJAX No. 1
Without Plank Stop

The Ajax Folding Roof Bracket is the most popular bracket on the market. Made of No. 16 and 18 gauge galvanized metal formed and riveted in such a manner making a bracket guaranteed to carry any weight that can be piled on. Instantly adjustable to any pitch of the roof. Boards or planks up to 12 inches can be used. Pays for itself on first job.

AJAX No. 2
With Plank Stop

STYLE "D" PITCH KETTLES

Non-Leakable Welded

Specially for roofers and water-proofing contractors.

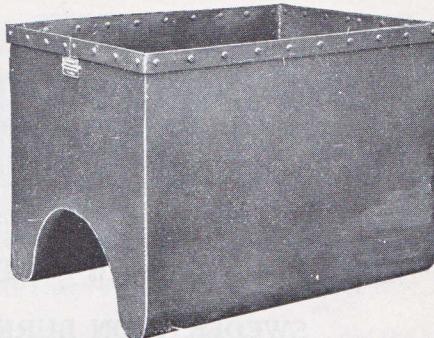
Made to take care of average city roof. Inside tank welded. Guaranteed not to leak. Easily removed for cleaning. Material may be heated on way to job. No delay.

40-gallon capacity.
Weight, 200 pounds.
28 inches x 34 inches.
Closed fire bottom and door.
Made of No. 12 fire box steel.



Style "D"

STYLE "C" ARCH KETTLE

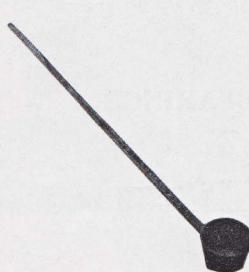


A very popular type of kettle with the general roofing contractor and used extensively on factory and operation work. Made in two sizes: 50 and 100 gallons. Made of No. 12 firebox steel and double electrically welded. Reinforced around top with heavy band.

50 Gallon Size, 29" x 26" x 30"; Weight, 100 Lbs.
100 Gallon Size, 30" x 30" x 40"; Weight, 200 Lbs.

If desired, this type of kettle can be furnished riveted instead of welded.

PITCH DIPPERS



Capacity, One Gallon

PITCH BUCKETS



Made in two sizes

12 x 12 inches, 6 gallons.
14 x 14 inches, 10 gallons.
Made of No. 22 Box Annealed Steel.
Used by roofers as mopping and carrying buckets.



ROOFERS' HOISTING BLOCK

This is a light, but at the same time a very strong and serviceable block.

Hook, frame and pin are of forged steel and sheave of best gray iron.

Diameter of sheave, 12 inches.

ROOFING SLATE

Only the highest quality roofing slate carried in stock. All standard sizes.



National Standard
FLAT AND ROUND HEAD
STOVE BOLTS

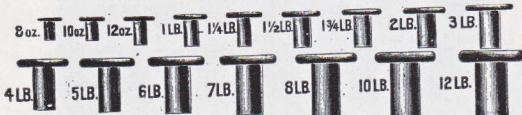


Per 100

Length	DIAMETER			Length	DIAMETER		
	$\frac{5}{32}$ "	$\frac{3}{16}$ "	$\frac{1}{4}$ "		$\frac{5}{32}$ "	$\frac{3}{16}$ "	$\frac{1}{4}$ "
$\frac{5}{8}$ "	.57	.67	1.12	$2\frac{1}{4}$ "	1.11	1.27	1.98
$\frac{1}{2}$ "	.60	.70	1.18	$2\frac{3}{4}$ "	1.41	2.16	
$\frac{5}{8}$ "	.63	.73	1.18	$2\frac{5}{8}$ "	1.59	2.34	
$\frac{3}{4}$ "	.66	.76	1.25	$2\frac{1}{2}$ "	1.77	2.55	
$\frac{7}{8}$ "	.68	.79	1.31	$2\frac{1}{2}$ "	1.95	2.75	
1	.71	.83	1.38	$3\frac{1}{2}$ "	2.25	3.10	
$1\frac{1}{8}$ "	.76	.86	1.44	$4\frac{1}{2}$ "	2.55	3.45	
$1\frac{1}{4}$ "	.80	.90	1.51	$4\frac{1}{2}$ "	2.85	3.80	
$1\frac{3}{8}$ "	.84	.96	1.57	$5\frac{1}{2}$ "	3.15	4.15	
$1\frac{1}{2}$ "	.89	1.01	1.64	$5\frac{1}{2}$ "	3.45	3.50	
$1\frac{5}{8}$ "	1.00	1.12	1.80	$6\frac{1}{2}$ "	3.75	4.85	

FLAT-HEAD IRON RIVETS

BEST NORWAY IRON



Per 1,000

Size, oz.	8	10	12	14	1 lb.	$1\frac{1}{4}$	$1\frac{1}{2}$	$1\frac{3}{4}$	2	$2\frac{1}{2}$
Black.	\$0.32	\$0.36	\$0.41	\$0.45	\$0.48	\$0.54	\$0.62	\$0.67	\$0.72	\$0.83
Size, lb.	3	3 1/2	4	5	6	7	8	9	10	12
Black.	\$0.96	\$1.09	\$1.20	\$1.30	\$1.50	\$1.75	\$2.00	\$2.20	\$2.40	\$2.64



SWedes' IRON BURRS

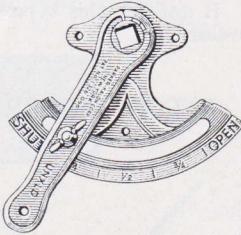
List Per Pound

Size...	$\frac{1}{2}$ "	$\frac{1}{4}$ "	$\frac{3}{8}$ "	$\frac{5}{16}$ "	$\frac{11}{32}$ "	No. 1	No. 2	or $\frac{9}{32}$ "	No. 3	$\frac{13}{32}$ "	No. 4	No. 5	or $\frac{37}{32}$ "
Price.	.40	.40	.40	.40	.40	.40	.40	.40	.40	.40	.41	.42	
Size...	No. 6	$\frac{1}{2}$ "	No. 7	No. 8	or $\frac{9}{32}$ "	No. 9	No. 10	No. 11	No. 12	No. 13	or $\frac{37}{32}$ "	No. 14	
Price.	.46	.46	.47	.48		.49	.51	.54	.64	.74		.84	

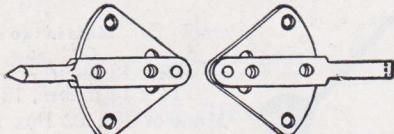
PARKER "UNXLD" DAMPER QUADRANTS

Cadmium Plated

Size	$\frac{3}{8}$ inch	$\frac{1}{2}$ inch	$\frac{5}{8}$ inch	$\frac{3}{4}$ inch	$\frac{7}{8}$ inch	$\frac{5}{8}$, $\frac{3}{4}$, $\frac{7}{8}$ " HEAVY DUTY TYPE



PARKER DAMPER BEARINGS



Are used instead of rods on small dampers. They are made to fit $\frac{3}{8}$ inch and $\frac{1}{2}$ inch damper quadrants.

Size	$\frac{3}{8}$ inch	$\frac{1}{2}$ inch

PARKER STEEL SHEET-METAL SCREWS

This screw is designed especially for sheet metal work. The thread extends over the entire length of the screw, admitting of the metal being drawn up flush with the head. Will not work loose as the screw is tapered only at the point and continues straight from the point upward.

SIZES

No. 6...	$\frac{3}{8}$ "	No. 10...	$\frac{1}{2}$ "	No. 14...	$\frac{1}{2}$ "
No. 7...	$\frac{1}{2}$ "	No. 10...	$\frac{3}{4}$ "	No. 14...	$\frac{7}{8}$ "
No. 8...	$\frac{1}{2}$ "	No. 10...	$1\frac{1}{4}$ "	No. 14...	$1\frac{1}{4}$ "
No. 8...	$1\frac{1}{2}$ "	No. 10...	2"	No. 14...	$1\frac{1}{2}$ "



ZINC ROSES OR SPRINKLER
HEADS

With Tin Base

No. 000, 1 $\frac{7}{16}$ inch	.....
No. 00, 1 $\frac{3}{4}$ inch	.....
No. 0, 2 $\frac{5}{16}$ inch	.....
No. 1, 2 $\frac{1}{2}$ inch	.....
No. 2, 3 $\frac{3}{8}$ inch	.....
No. 3, 4 $\frac{5}{16}$ inch	.....



CAN SCREWS

(Unlined)

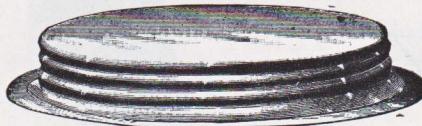
Per Gross	Zinc	Tin
1/2 inch	\$ 6.10	\$ 1.60
3/4 inch	7.60	1.80
1 inch	9.65	2.15
1 1/4 inch	12.15	2.65
1 1/2 inch	16.20	3.45
1 3/4 inch	20.20	4.70
2 inch	22.25	5.75

BRASS CAN SCREWS

(Unlined)

Per Gross	Per Gross
1/2 inch	\$10.10
3/4 inch	12.10
1 inch	16.65
1 1/4 inch	21.15

FLAT ZINC CAN SCREWS

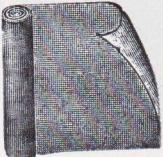


List Per Gross
2"
3"
4"

BRASS MILK STRAINER WIRE CLOTH

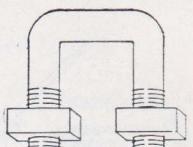
In Rolls 12 Inches Wide, 5 Feet Long

Mesh
40
50
60
70
80
90



PARKER ROD CLIPS

This Clip enables you to fasten the rod firmly to the damper without drilling and weakening the rod. Furnished galvanized to fit $\frac{3}{8}$, $\frac{1}{2}$, $\frac{5}{8}$, $\frac{3}{4}$ and $\frac{1}{2}$ inch square rod.

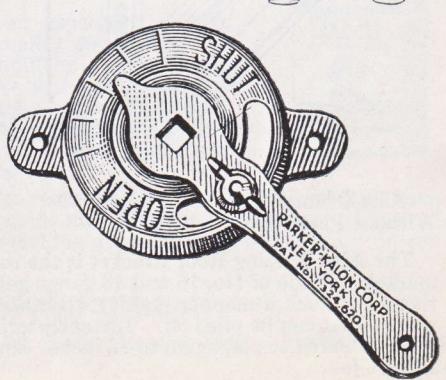


PARKER DIAL
REGULATORS

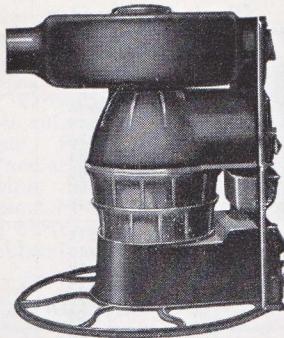
Stamped Steel

Are simple, neat, clean-cut and efficient—nothing to get out of order. Made for $\frac{3}{8}$ inch square rod.

Can be used with rod and rod clip or with damper bearings.



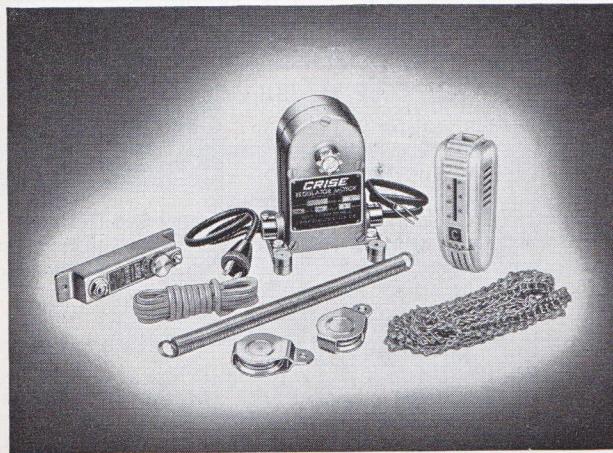
BERBROSCO WARM AIR FURNACES



Economical operation depends on the proper ratio of air capacity to furnace rating. Our furnace is so proportioned that the average ratio of heating surface to grate area is 25% more than standard. Heavy ribs on the firepot and combustion chamber increase heating surface and add strength. The air capacity is more than 30% in excess of the rating and the extra large radiator so splits the air stream as to force approximately 50% over the combustion chamber, further increasing the efficiency.

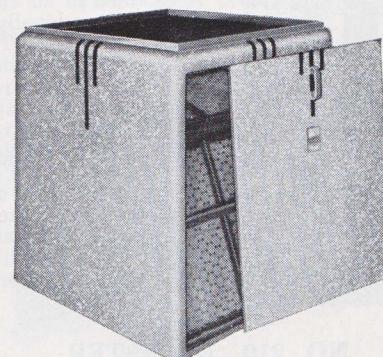
Durability, capacity or efficiency do not depend on the front, bottom or other minor parts of a furnace. The furnace pictured above weighs far more than the average furnace despite these minor parts being lighter because **extra weight is properly distributed in the radiator, combustion chamber, firepot and grate bars**. Its design is so structurally sound, that with proper installation and operation it will last a lifetime. The radiator is exceptionally large—one size larger than on most furnaces. Deep cut joints are provided on the ash pit, firepot and combustion chamber with the top firepot joint at the fire line sealed by a flange cast integral with the combustion chamber. The front is so constructed that it slips on in back of the raised shoulder on the ash pit and combustion chamber. Surface ground doors fit directly on the sections with no joint through which gas can leak into the air chamber.

CRISE
AUTOMATIC DRAFT REGULATOR



Has a reversible motor, maintaining a more accurate temperature than the conventional type motor. Never requires oiling. Single contact thermostat with no degree differential. Unit comes complete with limit control, which may be used for steam, hot water or warm air. Spring return in case of current failure.

AIR CONDITIONING UNITS



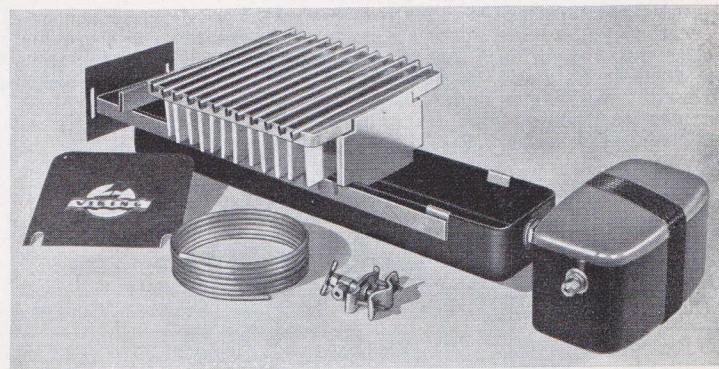
Comfortable, uniform temperature in every part of every room in the house is assured with our air circulating and cleaning unit. Instead of depending upon the natural rise of **hot air** into the rooms, this unit forces a supply of filtered, uniformly heated **warm air** into the rooms, and those that formerly were hard to heat will be warmer, healthier and more comfortable than the best heated room in the house at the present time.

Stratification—the cause of cold floors and hot ceilings—is entirely eliminated with forced air heating and conditioning.

Every 10 to 15 minutes the entire air content of the house is drawn down through the cold air return, passed through the filters and given a thorough cleaning before it is rewarmed and again forced up into the rooms.

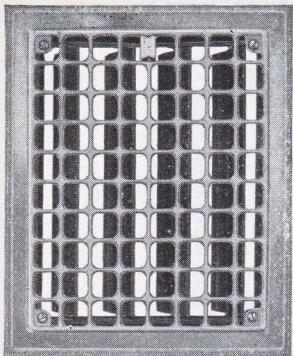
In the summer, by simply removing the back panel, the cool night air can be drawn in through the basement windows and circulated through the rooms, reducing the temperature of walls and furniture and storing cool air for daytime use.

HUMIDIFIERS



A 2 unit "fin" type Humidifier with separate streamlined plastic float tank which removes float valve assembly from furnace heat and mineral deposits. Float tank of special water resistant plastic is impervious to heat and corrosion. Evaporating pan has 2 coats of porcelain enamel. "Cello-Sponge" evaporators of synthetic sponge material are non-breakable and have an exceptionally high rate of evaporation—suspended by copper strips from spacing rack. Viking top-seat float valve is readily accessible for cleaning and adjustment. "Trombone" slide enables unit to be easily installed in plenum or bonnet. Supplied complete with 12 "Cello-Sponge" evaporators, rack, saddle valve connection for water line, copper tubing and all necessary fittings. Shipping weight, 10 lbs.

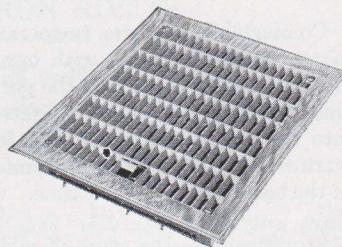
NO. 200 REGISTER



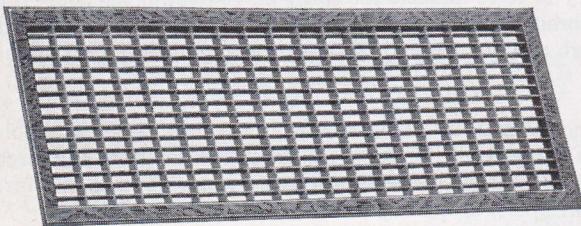
This Register is not only unequalled in air capacity, but is also exceptionally strong, rigid and durable. These qualities are derived both from the pinched back fretwork which adds considerably to the strength and rigidity of the face and from the sturdy construction of the register body. Supporting bars of heavy gauge steel reinforce the face. Valves have solid trunnions securely fastened to each end, insuring free and easy operation and long life.

NO. 210 REGISTER

The No. 210 line is made with grid-type face, to match No. 265 cold air face. Mesh openings are $\frac{1}{16}$ " x $1\frac{7}{16}$ ". Body is similar to No. 200 floor register. If necessary to fit standard floor register border, order must so specify. Available with flat margin (beading trimmed off) at standard price, where so ordered.



NO. 265 "NO-FLEX" COLD AIR FACE



Two features in particular recommend this improved grid type cold air surface: (1) Large air capacity; (2) Shallow depth—an important factor where single flooring is used.

Structural superiorities: Narrow mesh ($\frac{1}{16}$ " x $1\frac{7}{16}$ "). Flush intersections and square upper edges improve appearance and provide better walking surface. Members are carefully aligned. Margins are straight as a die—narrow for close installations—beveled for strength. Welding on under side makes corner joints invisible. Most popular in Medium Dark Oak Finish. Furnished in nickel, brass and bronze finishes as well as those shown below.

LEADING SIZES, AIR CAPACITIES, PIPE SIZES, LIST PRICES AND CRATE LOTS

Opening Size	Air Cap. Sq. In.	Pipe Size In.	Pipe Capa- city	Black Japan	Oak, Lacquer Finishes	Electro. Oxidized Copper
10x12	98	10	78	\$1.70	\$1.90	\$2.55
12x14	139	12	113	2.50	2.80	3.75
6x24	117	12	113	3.00	3.35	4.50
6x30	146	12	113	3.40	3.80	5.10
8x24	158	14	154	3.20	3.60	4.80
10x24	202	16	201	3.40	3.80	5.10
12x24	240	16	201	3.75	4.20	5.65
18x30	201	16	201	3.60	4.05	5.40
10x30	250	18	254	3.75	4.20	5.65
12x30	300	18	254	4.00	4.50	6.00
14x30	350	20	314	4.60	5.15	6.90
16x30	403	22	380	5.50	6.15	8.25
18x30	456	24	452	6.10	6.85	9.15
20x30	504	24	452	6.70	7.50	10.05
22x30	557	26	530	7.70	8.60	11.55

Stocked in Black Japanned and Oak Finishes Only.

List Prices Nos. 200-210
REGISTERS, FACES, BORDERS
Black Japanned

Floor Opening	Black Japan	Oak Finish	Floor Opening	Black Japan	Oak Finish
4x 6	\$1.35	\$1.45	12x16	\$5.25	\$5.55
4x 8	1.45	1.55	12x18	6.45	6.80
4x10	1.55	1.65	12x20	7.55	7.95
4x12	1.70	1.85	12x24	9.75	10.20
4x14	2.25	2.40	12x30	12.60	13.10
4x18	3.50	3.75	12x36	16.90	17.60
			12x48	24.75	25.85
5x 8	1.50	1.60	14x14	5.65	6.00
5x10	1.60	1.70	14x16	6.85	7.20
5x12	1.75	1.90	14x18	8.10	8.50
5x14	2.45	2.65	14x20	9.35	9.80
6x 6	1.45	1.55	14x22	10.55	11.00
6x 8	1.55	1.65	14x24	11.60	12.10
6x 9	1.60	1.70	14x30	14.95	15.50
6x10	1.60	1.70	14x36	19.60	20.40
6x12	1.80	1.95			
6x14	2.55	2.75	16x16	8.65	9.10
6x16	3.40	3.65	16x18	9.90	10.35
6x18	4.15	4.40	16x20	11.15	11.65
6x20	4.95	5.25	16x22	12.50	13.00
6x24	6.30	6.65	16x24	13.70	14.25
6x30	8.25	8.65	16x30	17.90	18.55
			16x36	22.75	23.65
7x 7	1.60	1.70			
7x 9	1.60	1.70	18x18	11.90	12.40
7x10	1.65	1.80	18x20	13.15	13.70
7x12	1.90	2.05	18x22	14.60	15.15
8x 8	1.60	1.70	18x30	20.80	21.55
8x10	1.70	1.85	18x36	26.10	27.05
8x12	1.90	2.05			
8x14	2.95	3.15	20x20	15.30	15.90
8x16	3.85	4.10	20x22	16.90	17.50
8x18	5.05	5.35	20x24	18.55	19.20
8x20	6.05	6.35	20x26	20.45	21.15
8x24	7.90	8.30	20x30	24.05	24.85
8x30	10.45	10.90	20x36	30.40	31.50
9x 9	1.90	2.05	22x22	19.80	20.50
9x12	2.15	2.35	22x24	21.60	22.35
9x14	3.20	3.40	22x30	27.65	28.55
10x10	2.25	2.45	24x24	24.30	25.15
10x12	2.40	2.60	24x30	31.15	32.20
10x14	3.40	3.65	24x36	38.60	40.05
10x16	4.50	4.80	26x26	29.60	30.65
10x18	5.55	5.85	28x28	34.90	36.20
10x20	6.70	7.05	30x30	41.15	42.70
10x22	7.85	8.25	30x36	50.05	52.10
10x24	8.65	9.05			
10x30	11.30	11.75			
12x12	3.60	3.85			
12x14	4.25	4.55			
12x15	4.75	5.05	36x36	60.30	62.70

For Ventilating Registers add to list: All sizes up to 14 x 14, \$0.50; 14 x 14 and larger, \$1.00.
In ordering Ventilators specify whether for side wall or ceiling.

NO. 345 REVERSIBLE
SIDEWALL REGISTER
With Convex Face

The No. 345 register, designed for use in the side-wall above the baseboard, is a reversible register and may be used either in a horizontal or vertical setting simply by removing two screws.

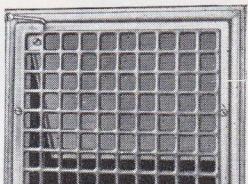
This register is furnished with the same corrugated fret-work and deeply convexed margin as No. 340 and No. 350 sidewall registers.

The operating device is so made that when register valve is closed the handle lies flat against register.

LIST PRICES

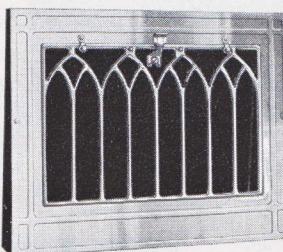
Size	Air Cap. Sq. In.	Black Japan	White Japan, Oak, Lacquer Finishes	Electroplated Oxidized Copper, Nickel, Brass, Bronze
8x10	44	\$1.65	\$2.00	\$3.15
8x12	53	1.90	2.30	3.65
9x12	60	2.10	2.55	4.00
10x12	66	2.40	2.90	4.40

Black Japanned Only Carried in Stock.



NO. 110 SERIES BASEBOARD REGISTERS
With Removable Face

The attractive design of this register, plus its large air capacity and fine workmanship, have made it extremely popular. Installers will find that the large air capacities shown below make possible substantial savings in register costs. For example, size 8x12 has free face area equal to capacity of 10" pipe. The face is removable from frame by a quarter turn of the locking buttons. Height from floor to stackhead opening is $2\frac{1}{4}$ ".

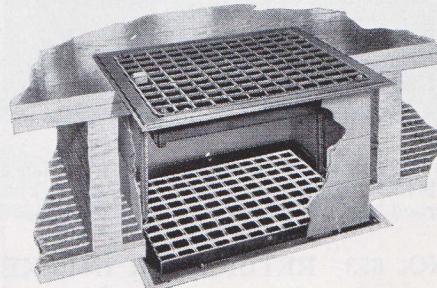


AIR CAPACITIES AND LIST PRICES

Size	Class No.	Proj. from Wall at Base	Air Cap. Sq. In.	Black Japan	White, Japan, Oak, Lacquer, Finishes	Electro-plated Oxidized Copper, Nickel, Brass, Bronze
8x10	111 $\frac{1}{4}$	1 $\frac{1}{4}$ "	63	\$2.00	\$2.35	\$3.50
8x12	111 $\frac{1}{4}$	1 $\frac{1}{4}$ "	78	2.40	2.90	3.95
9x12	111 $\frac{1}{4}$	1 $\frac{1}{4}$ "	88	2.50	3.00	4.00
8x10	112 $\frac{1}{4}$	2 $\frac{1}{4}$ "	63	2.00	2.35	3.50
8x12	112 $\frac{1}{4}$	2 $\frac{1}{4}$ "	78	2.40	2.90	3.95
9x12	112 $\frac{1}{4}$	2 $\frac{1}{4}$ "	88	3.00	3.50	4.50
8x12	113 $\frac{1}{4}$	3 $\frac{1}{4}$ "	78	3.00	3.50	4.50
9x12	113 $\frac{1}{4}$	3 $\frac{1}{4}$ "	88	3.00	3.50	4.50
10x12	113 $\frac{1}{4}$	3 $\frac{1}{4}$ "	98	4.00	4.60	5.75
10x13	113 $\frac{1}{4}$	3 $\frac{1}{4}$ "	107	4.20	5.00	6.20
11x13	113 $\frac{1}{4}$	3 $\frac{1}{4}$ "	118	4.50	5.25	6.75
10x13	114 $\frac{3}{4}$	4 $\frac{3}{4}$ "	107	4.85	5.50	7.00
11x13	115 $\frac{1}{4}$	5 $\frac{7}{8}$ "	118	5.25	6.00	7.50
12x14	115 $\frac{1}{4}$	5 $\frac{7}{8}$ "	149	6.50	7.50	8.50
12x14	117 $\frac{1}{2}$	7 $\frac{1}{2}$ "	149	9.00	10.00	12.00

Black Japanned and Oak Finishes Carried in Stock.

ADJUSTABLE VENTILATORS
NOS. 2250 AND 2255



No. 2250

Made to carry surplus heat from a lower to an upper room. Ventilators are complete, ready for installation, each consisting of one black japanned floor register, and one white japanned face, connected by a three-piece tin box which is adjustable from 5 to 12 inches in depth.

Easy to install. Allows a maximum of heat to pass through. Packed one in a carton, fully assembled, collapsed to 5".

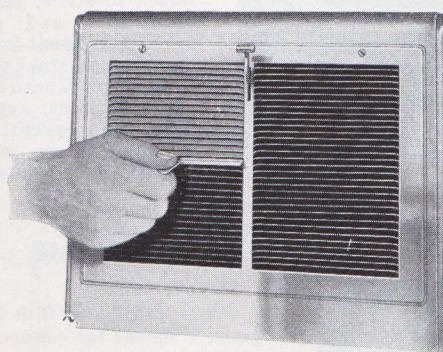
Class 2255 Ventilator is made for use with double heater stoves, the warm air pipe from the stove being connected to a six-inch opening in the ceiling plate of the ventilator.

LIST PRICES

Size	List	Size	List
8x10	\$2.50	10x14	\$ 4.50
8x12	3.00	12x14	5.15
9x12	3.25	12x15	10.40
10x12	3.85	14x16	15.45

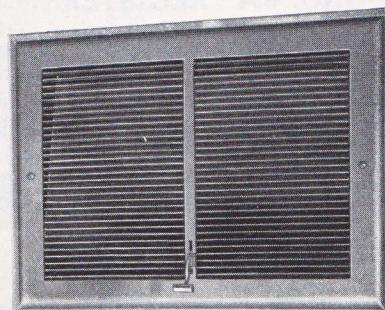
AIR CONDITIONING REGISTERS AND GRILLES

NO. 130 SERIES BASEBOARD REGISTER
With Removable Face



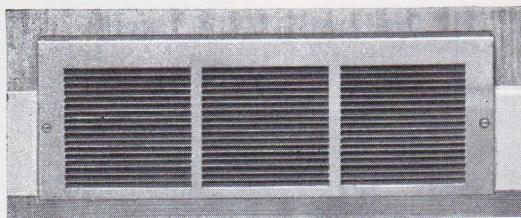
The new No. 130 series has a very attractive appearance with a metalustre finish of a new rich brown. It has a large free area and very low resistance. The fins may be adjusted up or down to practically any desired angle with key furnished one to each shipping case.

NO. 330 SIDEWALL REGISTER



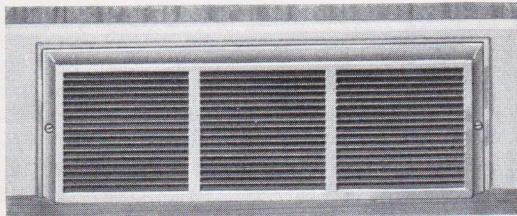
The face of this Register is of the flexible fin type, matching in design No. 130 Series Baseboard Register. Furnished with the fins set perpendicular to the face, providing maximum free area and minimum resistance. The fins may be turned up or down if desired with a key furnished one to each shipping case of 10 pieces.

NO. 623 RETURN AIR INTAKE



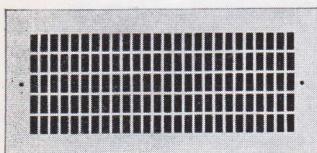
Flexible Fin-Type Intake, for installations in which the height of the baseboard is less than that of the Intake (5½"). The side and top margins are turned back 1". Matches Nos. 130 and 330 Registers.

NO. 653 RETURN AIR INTAKE



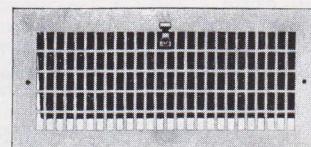
Flexible Fin-Type Intake for installations in which the height of the baseboard is greater than that of the Intake (5½"). Attaches directly to the baseboard, overlapping the opening as illustrated. Matches Nos. 130 and 330 Registers.

NO. 690 GRILLE OR INTAKE



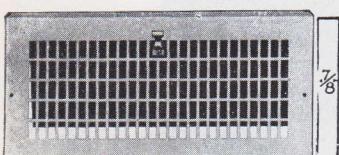
Has $\frac{3}{16}$ " turndown with Sponge Rubber Gasket. No valve or installation frame. May be used without frame or with Nos. 2, 3, and 5 Frames (Pages 2-3).

NO. 691 REGISTER



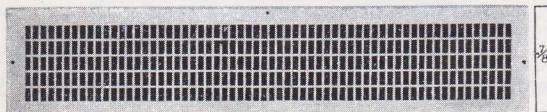
Has $\frac{3}{16}$ " turndown with Sponge Rubber Gasket. Equipped with single-shutter valve. No installation frame. May be used without frame or with Nos. 2, 3, and 5 Frames (Pages 2-3).

NO. 694 REGISTER



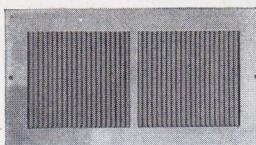
Has $\frac{7}{8}$ " Projection; Sponge Rubber Gasket; Single Shutter Valve; non-detachable duct flange (for omission, deduct cost of No. 2 Frame). No installation frame, but fits Nos. 2 and 8 Frames.

NO. 697 INTAKE



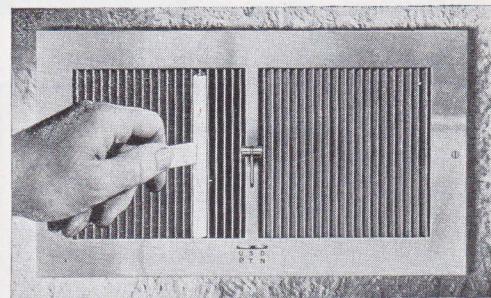
Has $\frac{7}{8}$ " projection. No valve or installation frame, but fits Nos. 2 and 8 Frames. For Intake with valve, specify No. 694. For duct flange, add cost of No. 2 frame.

NO. 750 GRILLE OR INTAKE



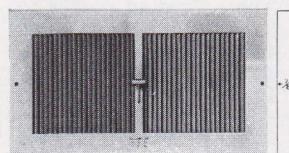
Has $\frac{3}{16}$ " turndown with Sponge Rubber Gasket. No valve or installation frame. May be used without frame or with Nos. 2, 3, and 5 Frames (Pages 2-3).

NO. 751 REGISTER



Has $\frac{3}{16}$ " turndown with Sponge Rubber Gasket. Equipped with Turning Blade Valve. No installation frame. May be used without frame or with Nos. 2, 3, and 5 Frames (Pages 2-3).

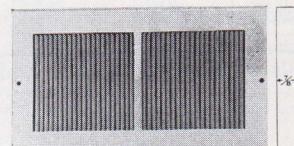
NO. 754 REGISTER



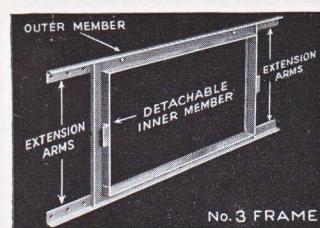
Has $\frac{7}{8}$ " projection with Sponge Rubber Gasket. Equipped with Turning Blade Valve. No installation frame. May be used without frame or with Nos. 2 and 8 Frames. (Pages 2-3).

NO. 757 INTAKE

Has $\frac{7}{8}$ " projection. No valve or installation frame, but fits Nos. 2 and 8 Frames (Pages 2-3). For Intake with valve, specify No. 754.

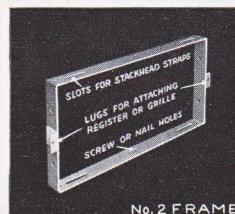


NO. 3 SIDEWALL STUD FRAME



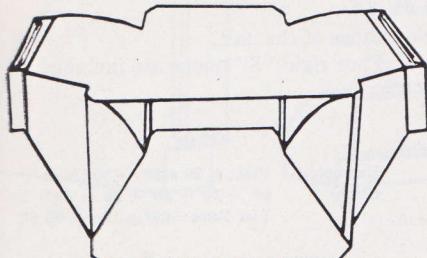
Offers the ideal method of installing sidewall registers in new house work. Extension arms fasten to studs, eliminating all blocking-in and providing a solid, permanent foundation for register and stackhead. Frame protects stackhead during building operations, avoiding possibility of expensive replacements. Frame is completely embedded in plaster.

NO. 2 BAND IRON FRAME



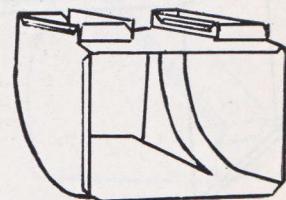
No. 2 Frame offers a simple, inexpensive means for connecting register with stackhead on old or new house installations. Holes provided in frame for nailing or screwing to studs or header. May be used with sidewall or baseboard registers or grilles.

SIMPLIFIED EASY FLO SYSTEM

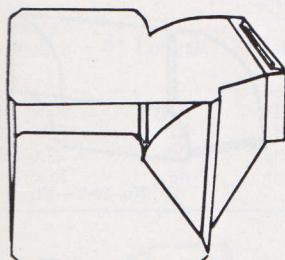


No. 50—Double Branch

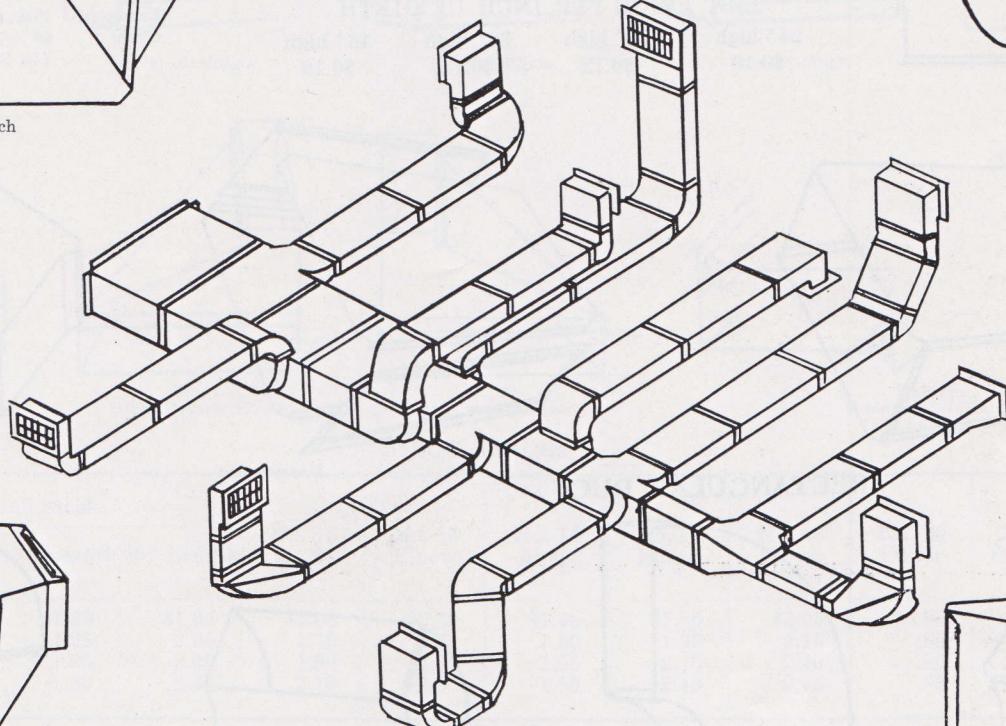
SUPPLY BRANCH OUTLETS



No. 51—Double Branch



No. 52—Single Branch



LIST PRICES

No. 50-51— Double Branches

Duct Size	Price
12x8—8x8.....	\$ 7.40
14x8—10x8.....	8.30
16x8—12x8.....	9.20
18x8—14x8.....	10.15
20x8—16x8.....	11.10
22x8—18x8.....	12.00
24x8—20x8.....	12.95
26x8—22x8.....	13.85
28x8—24x8.....	14.80
30x8—26x8.....	15.65

No. 52-53-54-55— Single Branches

Duct Size	Price
10x8—8x8.....	\$ 4.15
12x8—10x8.....	4.60
14x8—12x8.....	5.05
16x8—14x8.....	5.55
18x8—16x8.....	6.00
20x8—18x8.....	6.45
22x8—20x8.....	6.90
24x8—22x8.....	7.40
26x8—24x8.....	7.85
28x8—26x8.....	8.30
30x8—28x8.....	9.20

All Supply Branches are made standard 17" long with 3½x12 outlets.

4" reduction in single branches supplied at same price as 2" reduction.

END BRANCH OUTLETS

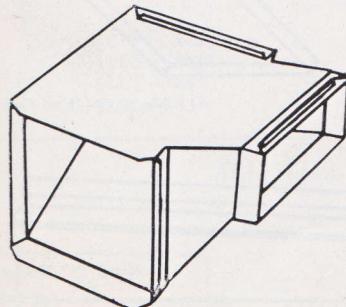
No. 56-57—End Branches

End Branches—Are Made
15" long—with 3½x12 outlets

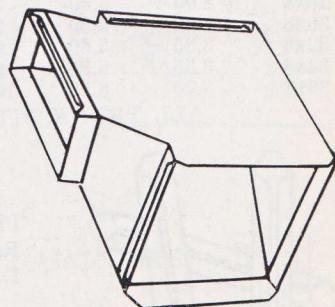
Size	Price
8x8—3½x12—3½x12.....	\$ 5.15
10x8—3½x12—3½x12.....	6.00

**ALL TRUNK FITTINGS 26 GAUGE
ADD 20% FOR 24 GAUGE**

No. 56—End Branch



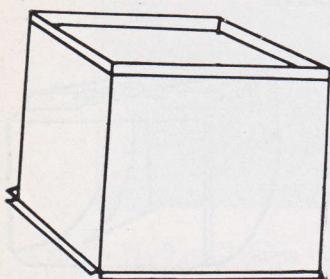
No. 55—Single Branch



No. 57—End Branch

ASSURE EVERY USER PERFECT FITTINGS AND UNIFORM JOINTS

SIMPLIFIED SYSTEM RECTANGULAR DUCT AND TRUNK FITTINGS



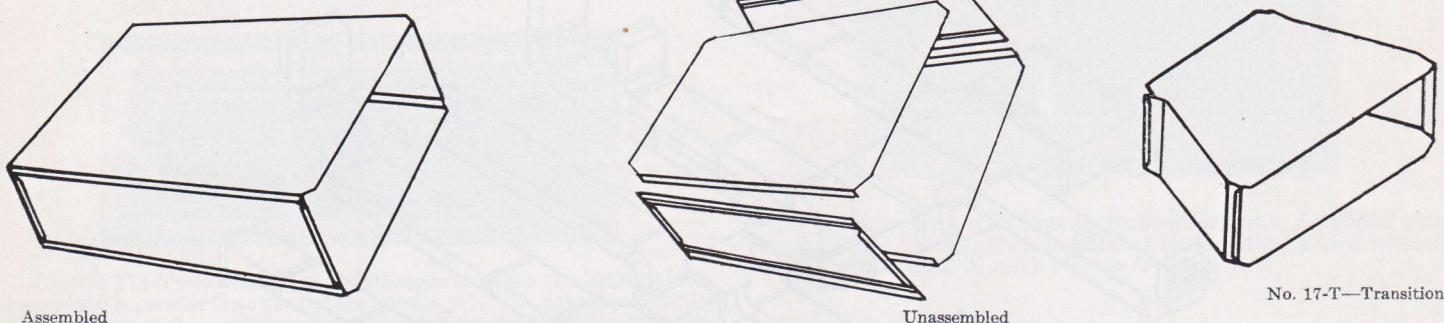
Plenum Chambers

Plenum Chambers are used on either the warm air or return air openings of the unit. All plenums are shipped knocked down, four sides and one top. (Four rigid "S" hooks are included.) When ordering specify size of unit opening and height desired.

LIST PRICE PER INCH OF GIRTH

24" high	30" high	36" high	48" high
\$0.10	\$0.12	\$0.14	\$0.18

Example: Plenum 20 x 20 — 30" high
Girth: $20 + 20 + 20 + 20 = 80"$
List Price: 80" x 12c = \$9.60

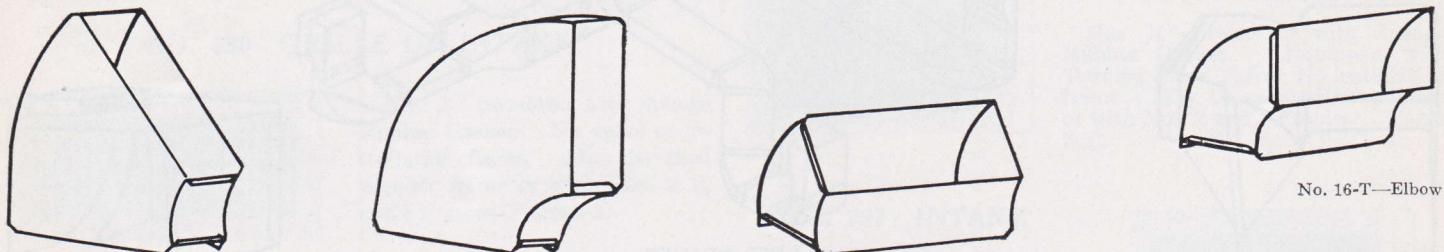


Assembled

Unassembled

No. 17-T—Transition

RECTANGULAR DUCT



No. 13-T—Angle

No. 14-T—Elbow

No. 15-T—Angle

No. 16-T—Elbow

LIST PRICES

Size Inches	Duct 15"	Duct 30"	No. 13-T	No. 14-T	No. 15-T	No. 16-T	No. 17-T	No. 20-T	No. 21-T
	Length	Length	Angle	Elbow	Angle	Elbow	Trans.	Collar	End Cap
6x8	\$1.40	\$2.35	\$2.05	\$2.75	\$2.00	\$2.65	\$2.10	\$0.95	\$0.78
8x8	1.55	2.60	2.25	3.00	2.20	2.90	2.35	1.05	.82
10x8	1.70	2.80	2.60	3.45	2.35	3.10	2.50	1.15	.83
12x8	1.80	3.00	2.80	3.70	2.50	3.35	2.75	1.20	.85
14x8	1.95	3.25	2.95	3.95	2.70	3.60	2.90	1.30	.88
16x8	2.10	3.55	3.25	4.30	2.85	3.85	3.15	1.40	.92
18x8	2.30	3.85	3.60	4.75	3.15	4.15	3.40	1.55	.96
20x8	2.50	4.15	4.05	5.35	3.40	4.50	3.65	1.65	1.00
22x8	2.60	4.35	4.80	6.35	3.60	4.85	3.85	1.75	1.04
24x8	2.75	4.60	5.45	7.30	3.90	5.15	4.10	1.85	1.08
26x8	2.85	4.80	6.20	8.25	4.35	5.85	4.25	1.95	1.12
28x8	3.00	5.00	7.20	9.60	4.95	6.60	4.50	2.00	1.17
30x8	3.20	5.30	8.40	11.25	5.50	7.35	4.75	2.10	1.21
32x8	3.35	5.60	9.00	12.00	5.90	7.90	5.00	2.25	1.25
34x8	3.55	5.95	9.55	12.75	3.35	8.45	5.25	2.35	1.29
36x8	3.70	6.15	10.15	13.50	6.75	9.00	5.50	2.45	1.33

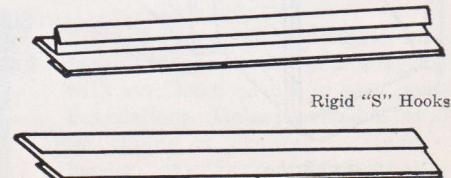
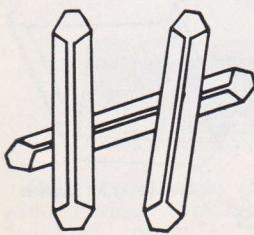
ALL TRUNK FITTINGS 26 GAUGE—ADD 20% FOR 24 GAUGE

LIST PRICES

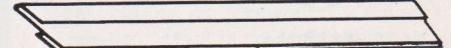
Plain "S" Hooks.....	Per Lineal Foot	\$.11
Rigid "S" Hooks.....	Per Lineal Foot	\$.24
Drive Straps.....	Per 100	\$7.60

DRIVE STRAPS

Drive straps are made in standard 8" lengths



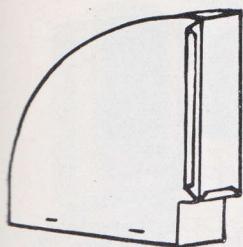
Rigid "S" Hooks



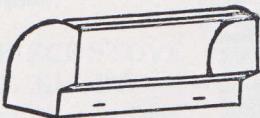
Plain "S" Hooks

PREFABRICATED DUCT AND FITTINGS

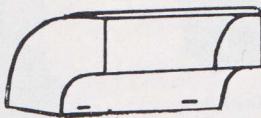
WALL STACK & STACK FITTINGS



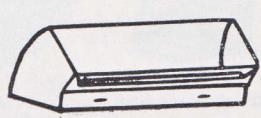
No. 14—Elbow



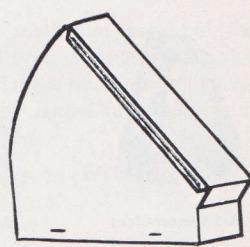
No. 16—Elbow



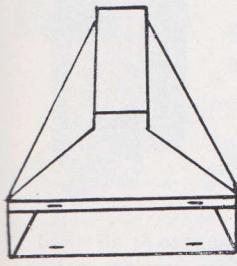
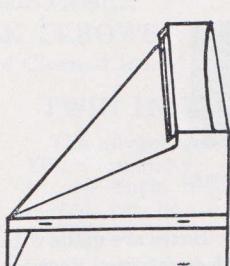
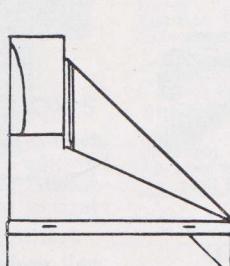
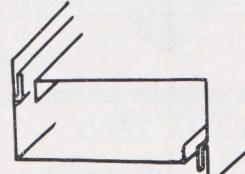
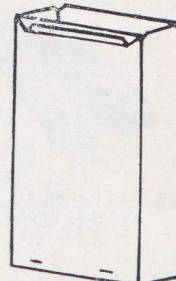
No. 43—Elbow



No. 15—Angle

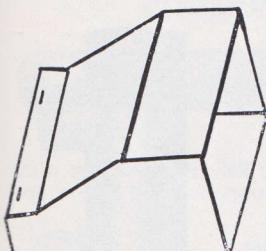
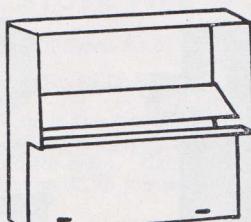


No. 13—Angle

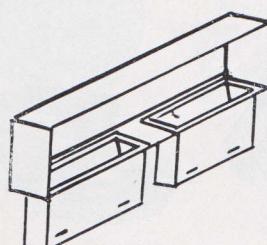
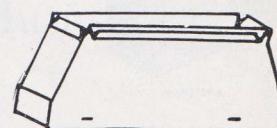
No. 8
Center Reverse ElbowNo. 7
Right Reverse ElbowNo. 7
Left Reverse ElbowWall Stack
Made in 6"-15" and 30"
Lengths

LIST PRICES

Size Inches	Wall Stack			No. 13 Angle	No. 14 Elbow	No. 15 Angle	No. 16 Elbow	No. 43 Elbow	No. 20 Collar	No. 21 End Cap	No. 7L, 7R 8C Rev. Elbows
	6" Length	15" Length	30" Length								
3½x 8	\$0.70	\$1.20	\$1.95	\$1.65	\$2.20	\$1.40	\$1.85	\$2.05	\$0.80	\$0.79	\$3.95
3½x10	.75	1.25	2.05	1.75	2.35	1.50	1.90	2.15	.85	.80	4.20
3½x12	.80	1.35	2.25	1.90	2.55	1.55	2.10	2.40	.90	.82	4.50
3½x14	.85	1.50	2.45	2.10	2.80	1.80	2.40	2.75	.95	.84	4.80

No. 33-D
Horizontal Stackhead

No. 10 D—Stackhead

No. 34-D
Return Stackhead

No. 17—Transition

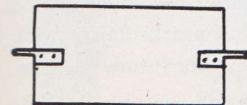
LIST PRICES

Size—Inches	No. 33-D With Damper	No. 10-D With Damper	No. 34-D With Damper	Size Inches	No. 17 Transition
3½x 8— 8x6	\$2.10	\$1.90	3½x10 } 24x6—\$6.10	3½x 8	\$1.95
3½x10—10x6	2.25	2.05	3½x10 } 24x6—\$6.10	3½x10	\$1.95
3½x12—12x6	2.70	2.50	3½x12 } 30x6— 7.00	3½x12	2.20
3½x14—14x6	3.15	2.95	3½x12 } 30x6— 7.00	3½x14	2.45

ALL WALL STACK AND STACK FITTINGS 28 GAUGE—ADD 10% FOR 26 GAUGE

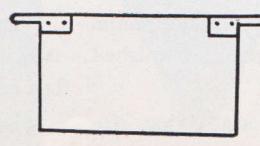
DAMPERS

LIST PRICES



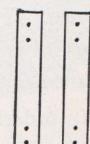
Volume Damper

Size	Inches	Volume	Splitter
6x8 to 12x8		\$2.50	\$2.50
14x8 to 24x8		3.00	3.00
26x8 to 36x8		3.25	3.25

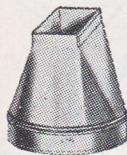


Splitter Damper

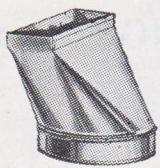
DUCT HANGERS

List Price
\$0.10 Each

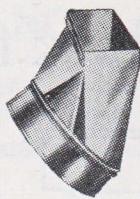
SINGLE WALL BOOTS



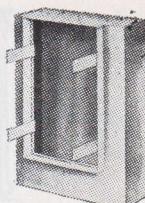
A-1 Center Boot



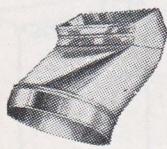
A-2 Straight Back Boot



A-3 Angle Boot



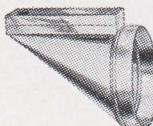
No. 1—Second Floor Single Box



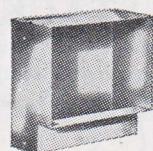
A-6 Combination A-2 Boot and B-45 Elbow



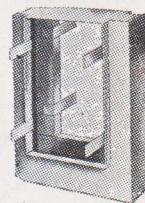
A-5 Combination A-2 Boot and B-90 Angle



A-4 End Boot



No. 2—Second Floor Double Box

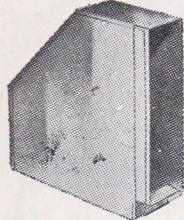


No. 4—Top Double Box

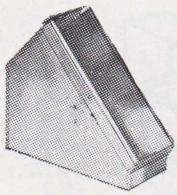
Jusrite Wall or Stack Boots are neatly and strongly constructed. They are made to fit all standard sizes of warm air pipe and stacks, and in addition can be furnished in special sizes, when so ordered. A style is made for every purpose and does justice to a good job.

Specify number of boot when ordering.

SINGLE WALL PIPE ELBOWS AND ANGLES
FLOOR PANS AND CELLAR BOXES



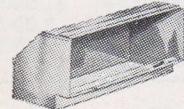
A-90° Elbow



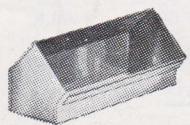
A-45° Angle



Floor Pan



B-90° Elbow



B-45° Angle



Cellar Box

Jusrite Register Boxes are made with wide flange to fit all standard wall or baseboard registers. Register boxes for any unusual condition can also be furnished.

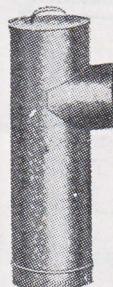
When ordering, please order by number. State size of register to be used and also size of pipe.

Stock sizes.

3x10"	{	10x8"	3x12"	{	12x8"	3x12"	{	12x10"
3½x10"			3½x12"			3½x12"		

3x10"	{	10x8"	3x12"	{	12x8"	3x12"	{	12x10"
3½x10"			3½x12"			3½x12"		

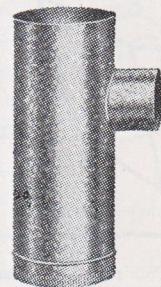
GALVANIZED TEES AND COVERS
DRAW BANDS AND CASING COLLARS



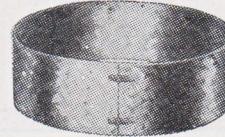
Galv. Tee 24" long with Cover



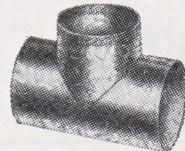
Galvanized Tee Cover



Galv. Tee with Small Outle



Galvanized Draw Band



Galvanized Tee 15" Long

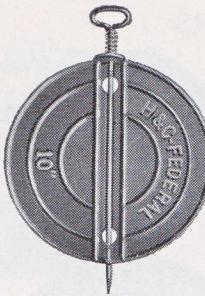
Jusrite Furnace Fittings include a wide variety of labor saving items, such as tee joints and casing collars. A neatly finished job is a credit to any furnace man and paves the way for future business.

These fittings are made in all standard sizes and can also be made to specifications.

Jusrite Fittings assure every user perfect fittings and uniform joints. Carried in stock to fit all standard stacks, but can also be furnished in special sizes.

In ordering, please order by name and letter and state what size stacks they are to fit.

4 PIECE GALVANIZED ADJUSTABLE ELBOWS



THE H & C FEDERAL
DAMPER

The stem is malleable iron, pointed, and is easily driven through the pipe. The Damper Plate is made of cold-rolled pickled steel, corrugated to stiffen it and prevent warping.

The Difference in Weight Pays the Freight.

Smoke-Pipe Damper

SMOKE-PIPE DAMPER

Inches.....	6	7
List Price Per Dozen.....	\$1.60	\$1.60
Approx. gross per bbl.....	6	5

HEATER-PIPE DAMPER

Inches.....	8	8½	9	10	10½	11	12
Per dozen.....	\$2.20	\$2.45	\$2.60	\$2.80	\$3.05	\$3.30	\$3.50
Ap. gross per bbl.....	4	4	3½	3	2½	2½	2

CAST AMERICAN DAMPER



List Price
Per Doz.

3	inch.....	\$2.60
4	inch.....	2.80
4½	inch.....	3.00
5	inch.....	3.00
5½	inch.....	3.30
6	inch.....	3.50
7	inch.....	5.00
8	inch.....	8.00
9	inch.....	12.00
10	inch.....	15.00
12	inch.....	18.00

Dampers from 4 inch. to 8 inch. inclusive, are made with reversible plates. The patented reversible feature provides for the Spindle being put in the plate from either side.

SOLID DAMPERS FOR OIL
BURNERS

Reversible Feature—Non-breakable Steel
Spindle Nickel Handle and Ferrule



Made slightly larger in diameter than regular open plate dampers to make them as near air tight as practical. They are $\frac{1}{8}$ inch less in diameter than the rated size. This close fitting prevents down drafts.

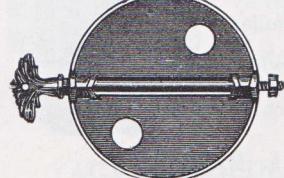
oval dampers



List Price
Per Doz.

6 inch.....	\$4.00
7 inch.....	6.00
8 inch.....	9.00

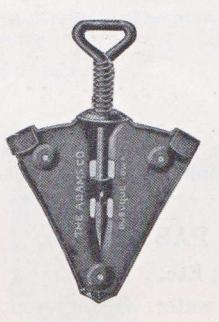
PLAIN CAST DAMPERS
WITH MALLEABLE ROD



Sizes
4 inch.....
4½ inch.....
5 inch.....
5½ inch.....
6 inch.....
7 inch.....
8 inch.....
9 inch.....
10 inch.....
12 inch.....

These Dampers are gauged to a true size to fit the pipe, and will not turn in the rods.

STEEL DAMPER
CLIP



Rivet Or No Rivet

This Steel Damper Clip has many special features other clips do not have.

It has a Steel Stem and perfect lock in blade.

The Steel Stem will not break like cast iron stems.

The No Rivet Damper Clip can be put on to sheet metal blade very quickly, thus saving time and labor.

Sold with or without tail pieces.



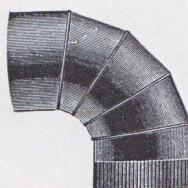
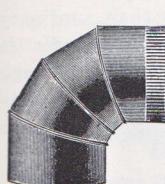
Showing Clip on Blade

4 PIECE GALVANIZED ADJUSTABLE ELBOWS



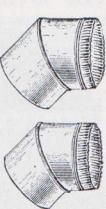
FOUR PIECE STOVE
PIPE ELBOW

Made of Cleaned Iron



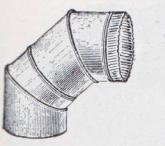
FIVE PIECE
ADJUSTABLE
BLACK ELBOWS

Made of Cleaned Iron



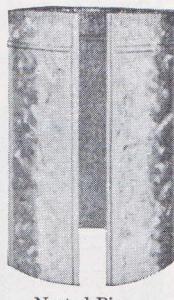
TWIN HOT-AIR ELBOWS

The advantages in using the Twin Elbow are many. It can be adjusted to any angle required and, disconnected, can be used as two separate elbows.

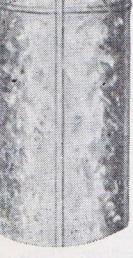


Best, Handiest and Cheapest
Ask for Twin Elbows

GALVANIZED
SMOKE PIPE



Manufactured in both
made up and nested types.
Every joint is identical, insuring
a perfect fit with the adjoining length.



Madeup Pipe

COMMON BLACK STOVE PIPE



All Sizes Kept in Stock.

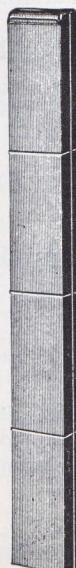
NESTED STOVE PIPE

This is the most convenient way to buy stove pipe. Requires very little space to carry all the most called for sizes. Each piece formed and edged but not grooved. In cartons of 25 joints each.

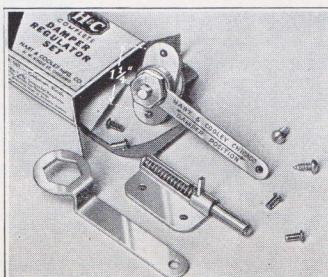
WARM-AIR PIPE



Warm-Air Pipe, both round and square, is furnished in 6-foot lengths, made up of 2 foot sections fitted snugly and well soldered together.

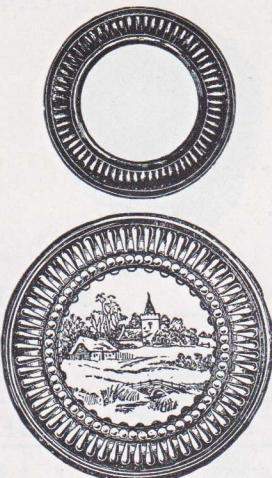


NO. 50½ REGULATOR SET



STOVE PIPE COLLARS

Size	Outside Measure
3 inch	5 $\frac{1}{8}$ inch
4 inch	6 $\frac{3}{4}$ inch
4 $\frac{1}{2}$ inch	7 $\frac{5}{8}$ inch
5 inch	8 inch
5 $\frac{1}{2}$ inch	8 $\frac{5}{8}$ inch
6 inch	9 $\frac{1}{8}$ inch
7 inch	10 $\frac{1}{4}$ inch
8 inch	13 $\frac{3}{8}$ inch
9 inch	13 $\frac{3}{8}$ inch
10 inch	13 $\frac{3}{8}$ inch
Wide Flange	10 $\frac{1}{4}$ inch



FLUE STOPPERS

Put up in boxes of one dozen each.

Diameter, 8 $\frac{1}{8}$ in., No. 3.

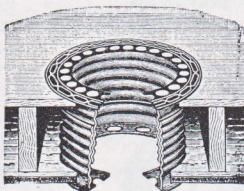
O. K. STOVE PIPE THIMBLE

Easily adjusted from 7 $\frac{1}{2}$ to 12 inches. Made in two parts which screw together and adjust to any thickness of floor or partition. Made of bright tin with ends handsomely japanned.

Packed in crates, $\frac{1}{2}$ dozen in crate.

List Per Dozen

Inches.....	5	6	7
6 to 12 inch extension (for floors).	\$11.00	\$12.00	\$14.00
4 to 7 $\frac{1}{2}$ inch extension (for walls).	10.00	11.00	13.00



ASBESTOS FURNACE CEMENT

The strongest and most durable cement in use for "setting up" and repairing broken joints in furnaces, ranges, heaters, stoves, etc. It is prepared ready for use, adheres readily and firmly to castings, tin, etc., and "sets" in a few hours. When subjected to heat, it vitrifies without shrinking or becoming porous. It is invaluable for lining furnace doors of steam boilers.

ASBESTOS PAPER

This sheathing is manufactured from a mineral fibre, possessing the highest fireproof and non-conducting qualities, rendering it a valuable protection against fire and is extensively used for covering heater pipes and similar purposes.

Furnished in rolls 18 and 36 inches wide, graded 6, 8, 10, 14 and 16 pounds per 100 square feet, and in rolls of 50 and 100 pounds each.



ASBESTOS AIR-CELL PAPER



Manufactured of strictly fireproof asbestos felts with $\frac{1}{4}$ inch corrugations. Put up in rolls 3 feet wide, containing 250 square feet. Used extensively for covering furnace pipes.

ASBESTOS COLD WATER PASTE

For Applying Asbestos Paper, Etc.

Can instantly be prepared by adding cold water. Requires no boiling.



"BERBROSCO" TINNERS RED PAINT

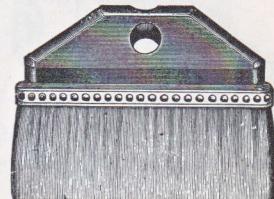
An imported iron oxide containing from 85-90% pure iron used in this formula guarantees durability and color. Covers 500 sq. ft. one coat per gallon. Covers approximately 30% more surface than ordinary metal paints. Dries to handle in from six to eight hours. Sold in agitator drums, eliminating leakage and evaporation—also in 5 gallon steel pails and 1 gallon cans.

SHERWIN-WILLIAMS ROOF AND BRIDGE PAINT

This paint is well known to the trade and needs no description. An excellent medium priced paint.

ROOFING PAINT BRUSHES
HAND AND POLE

Our stock of Paint Brushes includes brushes of all types, sizes and quality. A brush to meet all requirements.



"BERBROSCO" ROOF PUTTY



B. B. Asbestos Fibre Roofing Cement is a heavy, black composition made from a waterproof gum and asbestos fibres. It is thoroughly waterproof and pliable and will hold firmly to felt or metal roofings, cement, brick-work, wood and glass.

It is elastic and will not dry out or chip off, neither will it soften or run during warm weather. It will withstand the varying changes of temperature better than any other plastic material and may be applied under all weather conditions. Easily applied with knife or trowel.

Adheres readily to wet surfaces.

"BERBROSCO" ROOF COATING

This is a heavy black liquid asphalt which dries to a tough elastic coating. It is shipped ready for use and can be applied with a brush. For use on all metal work.

Furnished in 50 Gallon Drums, 1 and 5 Gallon Cans.

"BERBROSCO" ASPHALT FIBRE COATING

Berbrosco Asphalt Fibre Coating is suitable for brush application. It is the same as Berbrosco Roof Coating with the addition of asphalt fibre and can be used to good advantage on old metal roofs that have developed pinholes.

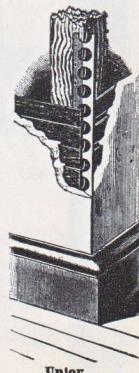
50 Gallon Drums, 1 and 5 Gallon Cans.

CORNER BEAD

For Plaster Corner

Length—6, 7, 8, 9 and 10 feet, galvanized.

This Bead is double, it makes a first-class clinch and is easy to put on. None better on the market.



SOLDER

We handle three grades and take great care that each grade is always up to its proper standard. All new metal.

Prices are revised daily to the latest metal quotations.



This grade is a regular **Commercial Half and Half**, and will answer all ordinary requirements.



This **Berbrosco** brand is a **Guaranteed Half and Half**, and a very popular brand. Sells on its merits.



B. B. Co. Special is our finest grade and is guaranteed better than Half and Half. Will answer all requirements.

WIRE SOLDER

Half and Half quality. In any quantity desired.

KESTER ACID-CORE AND ROSIN-CORE WIRE SOLDER

Acid-Core is used for general soldering purposes, Rosin-Core for delicate electrical and radio work. Furnished in 1 and 5-pound spools.

PLUMBERS' EXTRA WIPING SOLDER IN CAKES

Made entirely of new metal. Pig lead and bar tin always carried in stock and priced at lowest market prices.



SOLDERING COPPERS



Best Riveted Handles

Sizes—1, 1½, 2, 3, 4, 5, 6, 8, 10, 12 and 16 pounds per pair.



Best Hooked or Clinched Handles

Sizes—3, 4, 5, 6, 8, 10 and 12 pounds per pair.

Always state whether weight wanted is per pair or each, and if Clinched or Riveted Handles.

WIRED SOLDERING-IRON HANDLES



PARKER SHUR-GRIP SOLDER-IRON HANDLE

This Handle overcomes all the faults of the ordinary solder iron handle. It has a hardened steel casing made like a die which cuts a thread on the

stem of the solder iron as the handle is screwed on. Will not burn or char.

No. 7—For 1½ to 4 lb. solder irons.

No. 8—For 4 to 8 lb. solder irons.

No. 9—For 8 to 12 lb. solder irons.

Packed one dozen of a size in a carton.



ACID SWABS OR BRUSHES



RUBY SOLDERING FLUX

A modern chemical discovery. A quick-acting, harmless flux for all metals. A substitute for acids, salts and pastes.

The only flux for soldering galvanized steel which does not tarnish or damage the coating.

Users are free from the effects of the fumes of acid, which destroy stock, tools, machinery and men.

It is unequalled for soldering tin, copper and brass. The only flux for all metals which does not cause the deterioration of the lead in solder, and work done with it is at once stronger, 500 per cent. better in appearance and free from oxidization, "rust," "tarnish," or "corrosion."

It is used by the U. S. Navy, several ship building companies, and by many canners in the United States, Canada and other countries.

Pint cans.....

Quart cans.....

Gallon cans.....

5 gallon cans.....

A-S-P SOLDERING FLUID

This fluid is a heavy, water-white fluid that contains no acid, gives off no fumes, does not rust or corrode, does not stain, and does not injure the hands.

Solders tin, brass, copper, zinc, galvanized iron—everything from cast iron to gold (aluminum excepted).

Takes solder as well after drying as when wet.

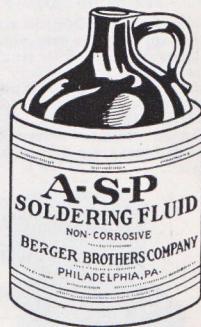
Goes further than acid or cut acid.

Solders more quickly and gives a cleaner, smoother joint.

Preserves the soldering irons and keeps them clean.

Quart bottles.....

Gallon jugs.....



SPECO SOLID SAL AMMONIAC

½ lb. cakes..... 1 lb. cakes

LUMP ROSIN (Best Quality)

YAGER'S SOLDERING SALTS

Warranted to excel all other preparations for soldering tin, copper, brass, iron and all metals.

It is a dry salt in small bulk. By adding a little water it is instantly ready for use.

It is free from disagreeable fumes.

It leaves the metal bright and clean. It causes the solder to flow more evenly.

It does not injure the irons like acid, and is unequalled for tinning them.

An iron tinned with it will wear longer than when anything else is used.

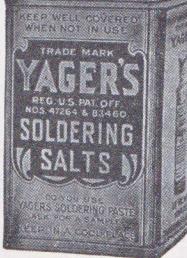
It is superior to any other preparation for tinning metal. It can be used on damp surfaces.

Packed in screw top cans, excluding both light and air so that the salts retain their granular form.

½ lb. cans..... 1 lb. cans.....

5 lb. cans.....

Also furnished in 50 lb. tubs and 100 lb. kegs.



YAGER'S SOLDERING PASTE

A fine flux for fine work. Try it on your next job and be satisfied.

½ lb. cans.....

1 lb. cans.....



CHARCOAL

In approximately 2 Bushel Bags.

Weighing 28 to 30 lbs. each.

All good, clean Pine Coal.

JOHNSON GAS FURNACES

Furnished for Artificial Gas Unless Otherwise Specified

JOHNSON FURNACE No. 1

Length, 12 inches; weight, 12 pounds.
Fire pot opening, $3\frac{1}{2} \times 2\frac{1}{2}$ inches.
Gas consumption, 10 cubic feet an hour.

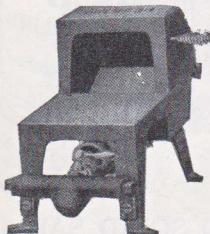
Equipped with one powerful Johnson Atmospheric Bunsen Burner with shut-off valve and pilot light. Furnace box is lined with a refractory lining. This Furnace will handle a pair of six-pound soldering coppers and can also be used for heat treating of any carbon steel tools up to its capacity. The patented curved shaped hood forces a return blast over the tops of irons or parts to be heated.

List Price, \$10.00 Each.

JOHNSON FURNACE No. 101

Length, 14 inches; weight, 18 pounds.
Fire pot opening, $4\frac{1}{2} \times 2\frac{1}{2}$ inches.
Size of fire box, $3\frac{3}{4} \times 4\frac{1}{2} \times 5\frac{1}{2}$ inches.

Gas Consumption, 10 cubic feet an hour per burner. Equipped with two powerful Johnson Atmospheric Bunsen Burners with shut-off valves and pilot lights. Fire box with refractory lining. This Furnace will handle a pair of 10 to 12 pound soldering coppers. Can also be used for the heat treating of any carbon steel tools up to its capacity. These Furnaces have the Johnson patented curved shaped hood that forces a return blast over the tops of the irons or parts to be heated.

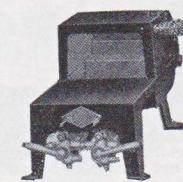


List Price, \$8.00 Each.

JOHNSON FURNACE No. B501

Length, 12 inches; weight, 15 pounds.
Fire pot opening, $3\frac{1}{2} \times 2\frac{1}{2}$ inches.
Gas consumption, 10 cubic feet an hour.

This Furnace is designed to heat a pair of 6-pound soldering coppers. It is equipped with one Johnson Atmospheric Bunsen Burner with shut-off valve and pilot light. The base is lined with firebrick and the shelf in the rear protects the tinning on the points of the coppers and the patented curved shaped hood forces a return blast over the top of irons or parts to be heated.



List Price, \$13.50 Each.

JOHNSON FURNACE No. B501

Length, 12 inches; weight, 15 pounds.
Fire pot opening, $3\frac{1}{2} \times 2\frac{1}{2}$ inches.
Gas consumption, 10 cubic feet an hour.

This Furnace is designed to heat a pair of 6-pound soldering coppers. It is equipped with one Johnson Atmospheric Bunsen Burner with shut-off valve and pilot light. The base is lined with firebrick and the shelf in the rear protects the tinning on the points of the coppers and the patented curved shaped hood forces a return blast over the top of irons or parts to be heated.

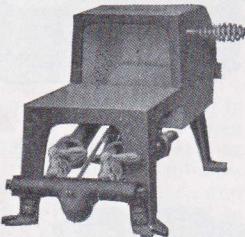
List Price, \$8.00 Each.

JOHNSON FURNACE No. B502

Length, 14 inches; weight, 18 pounds.
Fire pot opening, $4\frac{1}{2} \times 3$ inches.

Gas consumption, 10 cubic feet an hour per burner.

This Furnace is exactly like the Series No. B501, only larger, having two independent burners with shut-off valves and pilots. Designed to heat a pair of 10 to 12 pound soldering coppers.



List Price, \$10.00 Each.

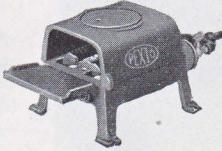
PEXTO GAS FURNACES



No. 331
Single Burner
Brick Lined



No. 332
Double Burner
Brick Lined



No. 333
Double Burner
Plain

Weight
10 lbs.
14 lbs.
16 lbs.

No. 331 Single Burner, Brick Lined.....
No. 332 Double Burner, Plain.....
No. 333 Double Burner, Brick Lined.....

These Furnaces will burn natural or artificial gas (specify for what kind) and will prove serviceable for general use in heating soldering coppers.

SHEET-IRON FIRE POTS

Note Slanting Mouth

Well made of No. 26 galvanized iron. Height over all $12\frac{1}{2}$ inches. Diameter of body 7 inches.

Double bottom in same.

List Prices

Round Bottom \$2.00 Square Bottom \$2.50

Also Special Sizes to Order.



TINNERS' MALLET



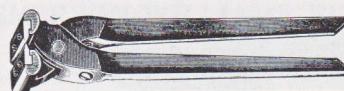
MILLER MALLET

Outlast wood, rubber, rawhide and lead mallets. Miller mallets are built for extra service. Laminated construction. Molded in one piece with second growth hickory handle.

No. 8—2 in. x $3\frac{1}{2}$ in., 8 oz.....
No. 16— $2\frac{1}{2}$ in. x $4\frac{1}{2}$ in., 16 oz.....
No. 24— $2\frac{1}{2}$ in. x $5\frac{1}{2}$ in., 24 oz.....

DOGWOOD MALLET

No. 9— $2\frac{1}{2}$ in. x $5\frac{1}{2}$ in.
No. 10— $2\frac{3}{4}$ in. x $5\frac{3}{4}$ in.
No. 11—3 x 6 inch.



TODD'S IMPROVED CUTTING NIPPERS

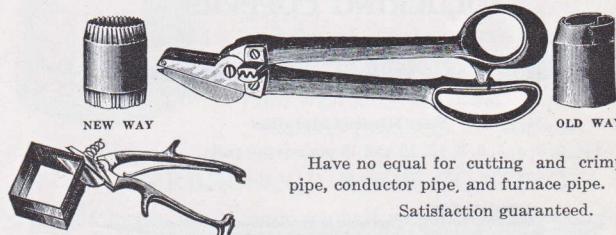
Nos.	1	2	3	4
Length, inches	12	11	10	8
Width of cutter, inches	$1\frac{3}{4}$	$1\frac{5}{8}$	$1\frac{1}{2}$	$1\frac{1}{8}$
List Price per pair	\$3.65	\$3.35	\$2.95	\$2.50

Extra Cutters

Nos.	1	2	3	4
List Price—Extra cutters, per pair	\$1.15	\$1.05	\$1.05	\$.90



BERRIDGE'S PATENT
PIPE SNIPS AND PIPE CRIMPERS

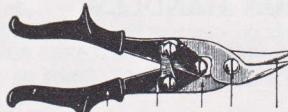


Have no equal for cutting and crimping stove pipe, conductor pipe, and furnace pipe.

Satisfaction guaranteed.

No. 1—Small.....
No. 2—Medium, with crimpers, length 13 inches.....
No. 3—Medium, without crimpers, length 13 inches.....

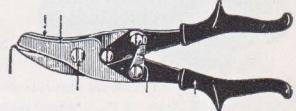
AVIATION SNIPS



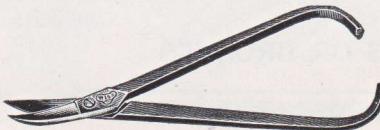
Double Action

Aviation Snips are a tool which no sheet metal shop should be without. Will cut stainless steel as well as all milder metals. Jaws can be furnished corrugated if specified. Specify whether right or left hand desired.

AVIATION DOUBLE CUTTING SNIPS



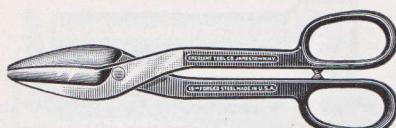
An exceptionally handy tool for cutting stove pipe, conductor pipe, etc.



JEWELERS SNIPS

They are light—strong—easily handled—made of fine tool steel, accurately tempered, and are ideal for all-purpose light work.

CRESCENT SNIPS



U412

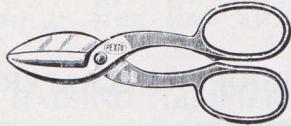


U416

The U412, 12 inch, is the conventional type of circular cutting snip. It is built strongly and with good leverage. The U416 is a special heavy duty tool designed for the tough jobs for which a hand snip is sometimes needed. It will cut curves, circles or straight lines. Sixteen inches long, it has plenty of strength for cutting tough materials.

GENERAL PURPOSE POCKET SNIP

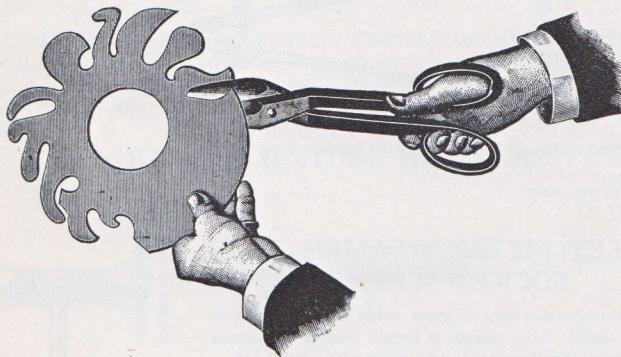
Finish—Red Handles and Polished Heads



Adapted to use by the mechanic, plumber, electrician, automobilist, tinsmith and sheet metal worker.

No.....	82	15	23
Length of cut, inches.....	2	2 $\frac{1}{2}$	2 $\frac{1}{2}$
Length over all, inches.....	7	11 $\frac{1}{2}$	13
Weight, lbs., per dozen.....	6	1 $\frac{1}{4}$	1 $\frac{3}{4}$

BUFFALO COMBINATION SNIPS



The jaws of the **Buffalo Combination Snip** are so shaped that curves, scrolls and irregular shapes can be cut as well as straight lines. The jaws allow the material to pass freely when cutting curves or changing the direction of the cut.

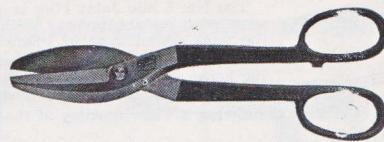
Buffalo Circular Snips. As it is very desirable that snips with curved jaws intended to cut curves also have the jaws shaped "Buffalo" style, we offer the Buffalo Circular Snip.

These snips are finished in first-class manner, being forged out of the solid bar, with steel-laid jaws properly tempered.

- No. 17—Buffalo Straight Snip, 4 inch cut
- No. 18—Buffalo Straight Snip, 3 $\frac{1}{2}$ inch cut
- No. 19—Buffalo Straight Snip, 3 inch cut
- No. 17—Buffalo Circular Snip, 4 inch cut
- No. 18—Buffalo Circular Snip, 3 $\frac{1}{2}$ inch cut
- No. 19—Buffalo Circular Snip, 3 inch cut

Made with handles for left hand at small additional cost.

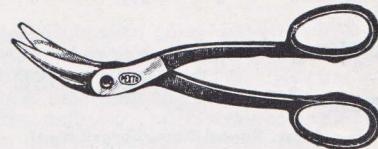
THE "WISS" SNIP



In making this Snip a piece of the finest crucible steel is welded to the inside of the blades of the toughest of steel forgings which gives the "Wiss" Snip its perfect, lasting, cutting edge. The blades are perfectly shaped, with points made strong and the handles formed so that they will not tire the hand even after continuous use.

No. 9	—Regular pattern, cut 3 inches, entire length 12 $\frac{1}{2}$ inches.
No. 8	—Regular pattern, cut 3 $\frac{1}{2}$ inches, entire length 13 $\frac{3}{4}$ inches.
No. 7	—Regular pattern, cut 4 inches, entire length 14 $\frac{1}{2}$ inches.
No. 19	—Buffalo pattern, cut 3 inches, entire length 12 $\frac{1}{2}$ inches.
No. 18	—Buffalo pattern, cut 3 $\frac{1}{2}$ inches, entire length 13 $\frac{1}{2}$ inches.
No. 17	—Buffalo pattern, cut 4 inches, entire length 14 $\frac{1}{2}$ inches.
No. 9C	—Circular blade, cut 3 inches, entire length 12 $\frac{1}{2}$ inches.
No. 8C	—Circular blade, cut 3 $\frac{1}{2}$ inches, entire length 13 $\frac{3}{4}$ inches.
No. 7C	—Circular blade, cut 4 inches, entire length 14 $\frac{1}{2}$ inches.

HAWK'S BILL SCROLL PATTERN



Forged steel, blued handles and polished heads. Blades have inside clearance with convex sides. Position of bows above metal when cutting allow for inside and outside scroll shearing.

Number	15	23
Length cut.....	ins. 2 $\frac{1}{2}$	2 $\frac{1}{2}$
Length overall.....	ins. 11 $\frac{1}{2}$	13
Weight each.....	lbs. 1 $\frac{1}{4}$	1 $\frac{3}{4}$

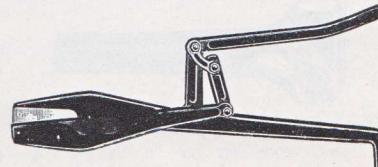
COMPOUND LEVER SHEARS



Made from drop forgings. Very strong and durable and cut easier than the old styles. The old styles require two to three times the same amount of strength to operate in heavy metal. The back part of the inside of the blades is cut away so as to allow them to more easily pass over or under the stock in cutting either inside or outside curves.

- No. 10—10 $\frac{1}{2}$ inch, length of cut 2 $\frac{1}{2}$ inch.
- No. 12—12 inch, length of cut 3 inch.
- No. 14—14 inch, length of cut 3 $\frac{1}{2}$ inch.

COMPOUND LEVER SHEARS



A high grade shear for heavy work. Body is malleable iron; blades high grade steel properly hardened and tempered. Blades are removable, therefore can be replaced. Black handles, polished blades. Can also furnish with high speed steel blades at an extra charge.

Number	44
Capacity of mild steel.....	gauge 12
Length of cut.....	ins. 4
Length overall.....	ins. 34 $\frac{1}{4}$
Weight each.....	lbs. 21

SLIP JOINT PLIERS



The No. 5 Slip Joint Plier is one that is sure to meet with instant favor. Without a doubt, it is the most useful type of Pliers made.

For the automobilist, mechanic, plumber, about the house or store, the No. 5 Slip Joint Plier may be used anywhere for practically everything.

The Slip Joint type of design, permitting a wider opening of the burner jaws, is an aid to all-around use.

Size in inches..... 6 8 10
Weight in lbs..... per dozen 6 8 12

No. 5—Polished Head Blued Handles.....

No. 5 N.P.—Full Nickel Plated.....

HOLLOW PUNCHES



Made in sizes from $\frac{1}{16}$ " to $4\frac{1}{2}$ " in diameter. $\frac{3}{16}$ " to $1\frac{1}{8}$ " in $\frac{1}{16}$ " sizes. $1\frac{3}{4}$ " to $3\frac{1}{2}$ " in $\frac{1}{8}$ " sizes. $3\frac{3}{4}$ " to $4\frac{1}{2}$ " in $\frac{1}{4}$ " sizes. Forged steel with hardened cutting edges for cutting mild steel. Polished head with black shanks.

SOLID AND PRICK PUNCHES



Nos. 00 to 10 Solid Punches



No. 38 Prick Punch

Number	38	00	0	1	2	3	4
Size face, dia.....	ins.	.355	.305	.280	.250	.225	.213
Length.....	ins.	5 $\frac{1}{2}$	5	5	4 $\frac{3}{4}$	4 $\frac{3}{4}$	4 $\frac{1}{2}$
For Rivets.....	lbs.			16	14	12	9, 10
Number	5	6	7	8	9	10	
Size face, dia.....	ins.	.188	.168	.145	.128	.114	.093
Length.....	ins.	4 $\frac{1}{2}$	4 $\frac{1}{2}$	4 $\frac{1}{2}$	4 $\frac{1}{2}$	4 $\frac{1}{2}$	4 $\frac{1}{2}$
For rivets.....	lbs.	4, 5, 6	3, 3 $\frac{1}{2}$	2, 2 $\frac{1}{2}$	1 $\frac{1}{4}$, 1 $\frac{1}{2}$, 1 $\frac{3}{4}$	$\frac{3}{4}$, $\frac{7}{8}$, 1	$\frac{1}{2}$, $\frac{5}{8}$

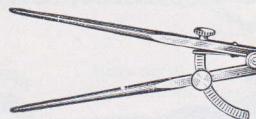
ROOFING SCRAPER



No. 996

Size $\frac{3}{16}$ x $\frac{5}{8}$ x 10 inches. Forged from high grade steel, polished blades and black shank.

WING DIVIDERS



No. 165

Forged steel. Nickel plated with hardened points.

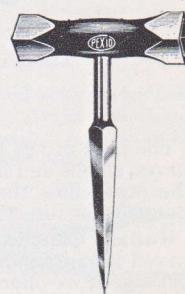
Size.....	ins.	lbs.	6	7	8
Weight per dozen.....			3 $\frac{1}{2}$	4 $\frac{1}{4}$	4 $\frac{1}{2}$

SHEET METAL REAMER AND SOCKET WRENCH

A combination tool of great value to the worker in sheet metal. The reamer is forged from a high-grade steel properly hardened and tempered, drawn to a sharp, hard point for pricking through light material and reaming holes to ordinary size required for fitting dampers in pipe and for general rough punching where a hand punch is not available.

The handle is of malleable iron made up in a socket wrench with $\frac{1}{2}$ inch and $\frac{5}{8}$ inch square hole.

Length over all, inches..... 7
Length of reamer, over all inches..... $5\frac{3}{4}$
Length of handles, inches..... 4



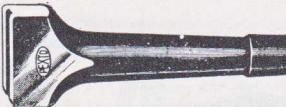
RIVET SETS



No. 46 Tinners' Special Forged Steel Rivet Sets—Full Polished.

Size	00	0	1	2	3
For iron rivets.....	14-16	10-12	7-8	6	4-5
Size hole.....	$\frac{5}{16}$	$\frac{9}{32}$	$\frac{1}{8}$	.2130	.1910
Size	4	5	6	7	8
For iron rivets.....	3-3 $\frac{1}{2}$	2-2 $\frac{1}{2}$	1 $\frac{1}{2}$ -1 $\frac{1}{4}$	1-1 $\frac{1}{4}$	10-12 oz.
Size hole.....	.1660	.1495	.1405	.1285	.1100

HAND GROOVERS



Forged Steel—Polished Head

Number	0000	000	0	1	2	3	4	5	6	7	8
Size groove.....	$\frac{1}{32}$	$\frac{1}{16}$	$\frac{7}{16}$	$\frac{11}{32}$	$\frac{1}{8}$	$\frac{9}{32}$	$\frac{7}{32}$	$\frac{5}{32}$	$\frac{1}{8}$	$\frac{7}{64}$	$\frac{3}{32}$

COLD CHISELS



No. 100—Forged Steel

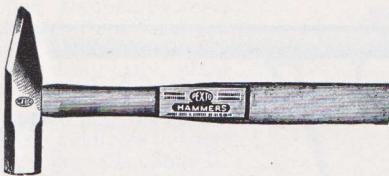
Width of cut, ins.	$\frac{1}{4}$	$\frac{5}{16}$	$\frac{3}{8}$	$\frac{7}{16}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	1	$1\frac{1}{8}$
Length overall, ins.	$5\frac{1}{4}$	$5\frac{1}{4}$	$5\frac{3}{4}$	6	6	$6\frac{5}{8}$	$7\frac{1}{2}$	$7\frac{3}{4}$	8	$8\frac{1}{2}$

PORTABLE ELECTRIC DRILLS



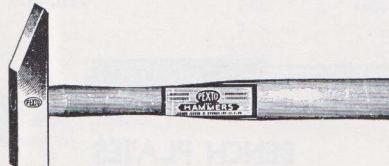
Only the highest quality electric drills handled insuring long life and uninterrupted service.

RIVETING HAMMERS



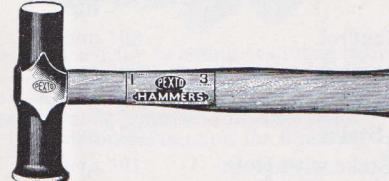
Number	0	1	2	3	4	5
Size face.....ins.	1 1/4	1 1/8	1	7/8	3/4	5/8
Weight each.....ozs.	30	20	16	14	10	4
Length head.....ins.	5 1/8	5	5 1/4	5 1/4	4 9/16	3 9/16

SETTING HAMMERS



Number—Square Face	1	2	3	4	5
Number—Chamfered Face	C1	C2	C3	C4	C5
Size face.....ins.	1 1/16	1	1 1/16	1 1/16	5/8
Weight each.....ozs.	20	16	14	10	4
Length head.....ins.	5 1/4	5 3/16	4 3/4	4 11/16	4

RAISING HAMMERS



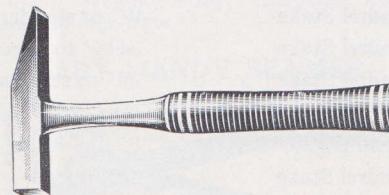
Number	1	2	3	4
Size faces.....ins.	2 1/8 x 1 5/8	2 x 1 1/2	1 5/8 x 1 1/4	1 3/8 x 1 1/8
Weight each.....ozs.	80	58	32	28

All PEXTO Sheet Metal Working Hammers are drop forged from special hammer steel and fitted with hickory handles. Riveting and Setting Hammers are full polished. Raising Hammers have polished faces, black sides.

WHITNEY LIFETIME HAMMERS



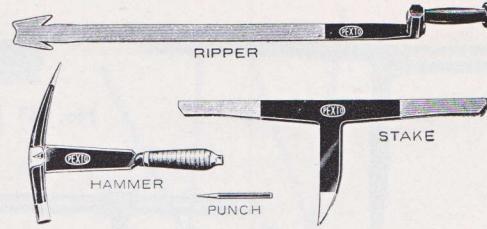
Riveting Hammer
No. T-12 12 oz. Head



Setting Hammer
No. T-18 18 oz. Head

Whitney Lifetime Hammers have a one piece head and handle which prevents breakage and splintering. Equipped with a leather grip which cannot loosen. Sheet metal edge cannot damage the handle neck. The hammer with a perfect balance.

SLATERS' TOOLS



Ripper, 24 1/2", weight, 2 7/8 lbs.
Hammer, length, 11 1/2", head, 9 7/8", weight, 1 3/8 lbs.
Stake, length, 18", weight, 2 1/8 lbs.
Punch, length, 5 1/2".

Forged from highest grade steel and tempered for best service.

FLEXIBLE STEEL CIRCUMFERENCE RULES



A Flexible Steel Rule with upper markings in sixteenths of an inch as on regular rule. Lower markings indicate circumference of any diameter of regular rule measurements. Reverse side contains much useful information regarding the sizes of sixty different articles such as cans, measures, pails, etc., with straight or flaring sides, liquid and dry measures in quarts, gallons, bushels, etc.

Number	101	107	0101	0107
Size.....ins.	36	36	48	48
Finish.....	Polished	Nickel	Polished	Nickel

STEEL STRAIGHT EDGES



These Straight Edges are made of steel and have beveled edges. They are invaluable around the shop for laying out work in general.

Number	994	995	0995
Length.....ins.	48	96	120
Size inches.....ins.	2 1/2 x 5/16	2 1/2 x 5/16	2 1/2 x 5/16
Shipping weight boxed.....lbs.	7 1/2	15	20

SCRATCH AWLS



Steel blade has sharp point and shank goes through wood handle reinforcing its top. Polished shank and steel ferrule. Black wood handle.

Length of blade.....	ins.	4
Length overall.....	ins.	6 1/2

HANDY SLITTING CHISEL

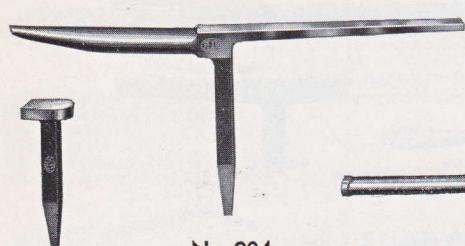


No. 800

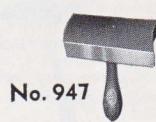
Length overall 7 inches. Weight 5 lbs. per dozen.

A newly designed hand tool for cutting square, round and irregular shaped holes in 16 gauge and lighter mild steel. To use, force point in metal, then insert lower hook in slot and drive like a cold chisel. Forged steel. Polished blade.

WROUGHT STEEL STAKES



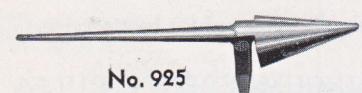
No. 935



No. 947



No. 904

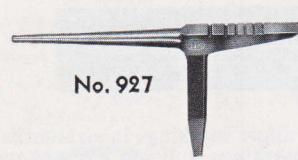


No. 925

No. 921



No. 936

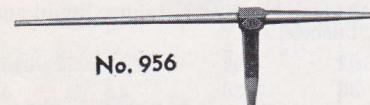


No. 927



No. 957

No. 951



No. 956



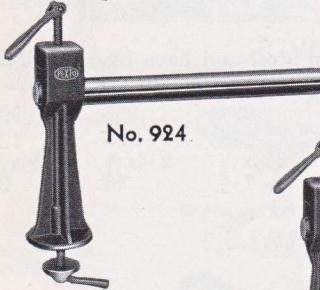
No. 971



No. 943



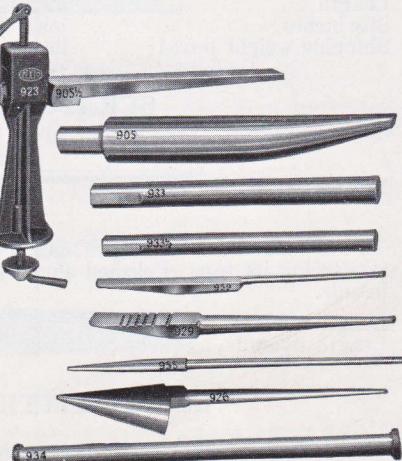
No. 958 with 4 Heads



No. 924



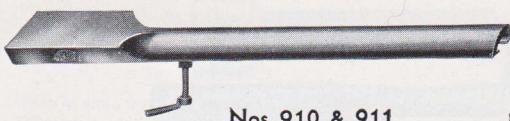
No. 932



No. 964 Set & Holder

No.	Size	Wgt.	No.	Size	Wgt.
901	Beakhorn Stake	38" overall	980	Bench Plate or Stake Holder	48"x12"
904	Beakhorn Stake	33" overall	981	Bench Plate or Stake Holder	37½"x8"
910	Hollow Mandrel	40" overall	982	Bench Plate or Stake Holder	30"x8"
		46 lbs.	983	Revolving Bench Plate	8¾"x8¾"
		27 lbs.			20 lbs.
		60 lbs.			

CAST STAKES



Nos. 910 & 911



No. 965



No. 949 with 4 Heads

No. 962



No. 968



No. 981



No. 983

BENCH PLATES

No.	Size	Wgt.
911	60" overall	110 lbs.
921	29" overall	37 lbs.
924	35" overall	65 lbs.
925	27" overall	14 lbs.
927	19" overall	12 lbs.
931	3"x5" overall	16 lbs.
932	2¼"x4½" overall	14 lbs.
935	2¾"x4½" overall	11 lbs.
936	2¾"x4½" overall	11 lbs.
938	3"x5" overall	14 lbs.
941	16" blade	14 lbs.
943	13" blade	9½ lbs.
944	11" blade	6½ lbs.
947	5"x5½" overall	8½ lbs.
949	30½" overall	110 lbs.
951	1¾" blade	3 lbs.
953	1⅛" blade	2 lbs.
956	28" overall	7½ lbs.
957	18½" overall	4 lbs.
958	32" overall	75 lbs.
960½	40" to standard	86 lbs.
961	34½" to standard	56 lbs.
962	30" to standard	43 lbs.
964	(one set)	170 lbs.
965	3" dia. head	9½ lbs.
968	44" overall	47 lbs.
971	28" overall	28 lbs.
980	48"x12"	85 lbs.
981	37½"x8"	46 lbs.
982	30"x8"	31 lbs.
983	8¾"x8¾"	20 lbs.

BURRITTS ROOFING DOUBLE SEAMERS

Burritts Roofing Double Seamers are more rapid than hand roofing seamers and will produce a more uniform seam than by any other method.

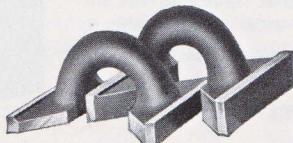
Used in sets of two pair for standing double seam and available in three sets for common gauge, wide gauge IC tin and for galvanized steel roofing not heavier than 26 gauge.

The first pair throws right angle bend. The kicker on first pair then squeezes down bend. The second pair throws right angle bend. Kicker on second pair completing standing seam.

Number	742	742 1/2	0742
1st pair marked	7-8	3-5	22-23
2nd pair marked	9-10	4-6	20-21
Gauge	common ga.	wide ga.	iron ga. 26
Follow roofing tongs...ins.	1 & 1 1/4	1 1/4 & 1 1/2	1 1/2 & 1 3/4
Height of finished seam...ins.	3/4	1	1
Shipping weight, set of 2 pr.	38	38	42

When ordering half sets specify whether first or second pair seamers are required.

HAND ROOFING DOUBLE SEAMERS

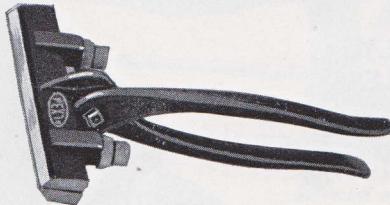


Hand Seamers are used for finishing standing seam after the edges of sheets have been turned to 90 degree angle with roofing tongs. Usually sold in sets of two. High side of tool is used to back up metal while wooden mallet bends metal and finishes seam. Low side is then used for second bending operation and for finishing double seam.

Number	Common Gauge	Wide Gauge	Iron Gauge
Sizes...ins.	743	744	745
Weight per set...lbs.	1/2x3/4	3/4x1	1x1 1/4
Match up with roofing tongs...ins.	14	16	19
Shipping weight	3/4x1	1x1 1/4	1 1/4x1 1/2
			1 1/2x1 3/4

Shipped in sets of two seamers unless otherwise specified.

JUMBO HANDY SEAMER



No. 795

Length of blade 6 7/8 inches. Length overall 10 1/4 inches. Gauging range up to 1 inch. Weight, 3 lbs. Malleable iron with knurled steel gauge screws and lock nuts.

BABY HANDY SEAMER



No. 793

Length of blade, 3 1/2 inches. Length overall, 8 inches. Gauging range, 1/4 to 1 inch. Weight, 1 lb. Black japanned handles. Polished blades. Forged steel.

ROOFING TONGS



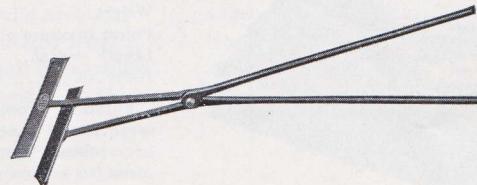
No. 770 1/2 Common Tongs

No. 773 Adjustable Tongs

Roofing Tongs are used for bending the edges of sheet metal to a 90 degree angle in preparing metal for a standing double seam. Common Roofing Tongs have riveted pin gauges for one size bend and made in sizes from 1/2" to 2". Adjustable Pin Roofing Tongs No. 773 have threaded pin that can be placed in seven threaded holes for 1/2" to 2" bends. Blades are 18 1/2 inches long and welded to forged steel handles.

Number	770 1/2	770 3/4	771	771 1/4
Will turn edge...ins.	1/2	3/4	1	1 1/4
Weight each...lbs.	9	9	9	9
Number	771 1/2	771 3/4	772	773
Will turn edge...ins.	1 1/2	1 3/4	2	1/2 to 2
Weight each...lbs.	10	10	10	10

GUTTER TONGS



Number	777
Depth jaws...	ins. 14
Length blades...	ins. 12 1/2
Weight each...	lbs. 10

Gutter Tongs have deep jaws for making wide bends in sheet metal as in roof gutters and valleys. PEXTO Gutter Tongs have forged steel handles with welded spring steel blades.

CLAMP TONGS



Number	765
Depth jaws...	ins. 3
Length overall...	ins. 14
Length blades...	ins. 6
Shipping weight...	lbs. 3 1/2

Clamp Tongs are used for drawing together two layers of sheet metal for cleating. Handles forged steel, blades spring steel welded to handles.

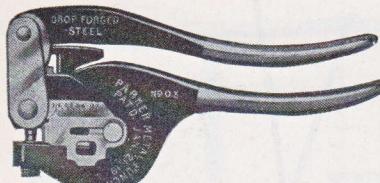


SQUEEZING TONGS

Squeezing Tongs are used for squeezing or closing down edge after edge has been turned to 90 degree angle with hand seamer and wooden mallet performing the closing operation much faster than with mallet. PEXTO Squeezing Tongs have special cast blades with reinforced steel tube handles welded to blades.

Number	766
Length jaws...	ins. 11 1/2
Depth jaws...	ins. 7/8
Length handles...	ins. 24
Weight...	lbs. 17

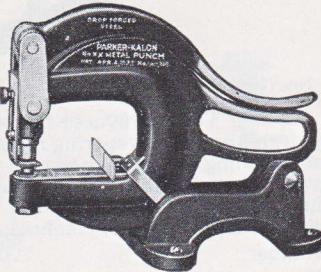
O. X. PARKER METAL PUNCH



Capacity: $\frac{1}{4}$ " hole in 14 gauge sheet steel or equivalent. Furnished complete with one each $\frac{3}{2}$ ", $\frac{1}{8}$ ", $\frac{3}{2}$ ", $\frac{1}{8}$ ", $\frac{1}{2}$ ", $\frac{1}{4}$ " and $\frac{1}{4}$ " punches and dies, packed in a substantial steel case.

X. X. PARKER METAL PUNCH

Capacity: $\frac{1}{4}$ " hole in 14 gauge sheet steel; $\frac{3}{8}$ " hole in 18 gauge sheet steel; $\frac{1}{2}$ " hole in 20 gauge sheet steel; or equivalents. Furnished complete with bench stand, gauge, automatic stripper and one punch and die.



NO. 5 JR. PUNCH

Capacity: $\frac{1}{4}$ " through 16 gauge.

Weight..... $2\frac{1}{2}$ lbs.
Punch in centre of.....4 inches
Length over all..... $8\frac{1}{2}$ inches
Height of gap..... $\frac{1}{4}$ inch

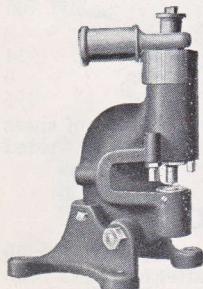
Furnished complete with seven sets of punches and dies in cardboard container or in metal box as shown.

NO. 10 BALL BEARING PUNCH

Capacity
 $\frac{3}{8}$ " through $\frac{1}{4}$ "
iron
Weight
 $8\frac{1}{2}$ lbs.
Depth of throat
 $1\frac{5}{8}$ "
Height of throat
 $\frac{1}{6}$ "
Length overall
 $19\frac{1}{2}$ "



Tool furnished complete with one punch and die of specified size. We furnish any size punch and die from $\frac{1}{8}$ " to $\frac{1}{2}$ " by $\frac{1}{2}$ ".



NO. 20 BALL BEARING PUNCH

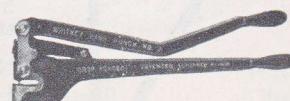
Capacity: $\frac{1}{4}$ inch through $\frac{1}{2}$ inch iron.
Weight..... 20 lbs.
Depth of throat..... 2 inches
Height of throat..... $1\frac{1}{8}$ inches

Tool furnished complete with one punch and die of specified size.

WHITNEY'S PORTABLE HAND PUNCH

A Modern Money Saving Tool
Frequently Pays For Itself On One Job.
Dies Quickly and Easily Changed or
Adjusted

Punches and dies in 13 sizes, from $\frac{1}{8}$ to $\frac{1}{2}$ inch, and by one-thirty-seconds. One punch and one die furnished with each punch. Weight, 14 lbs.; length over all, 23 inches.



No. 2

Capacity, $\frac{5}{16}$ inch hole through $\frac{1}{4}$ inch iron or equivalent.

COMBINED PUNCH AND SHEAR



Number 679
Capacity punching, $\frac{3}{8}$ " hole in $\frac{1}{16}$ " iron.

Capacity shearing, 14 gauge soft steel and lighter or $\frac{3}{16}$ " x 1" bars.

Furnished with $\frac{1}{8}$ ", $\frac{3}{16}$ ", $\frac{1}{4}$ ", $\frac{5}{16}$ ", $\frac{3}{8}$ " punches and combination die.

Length cut.....ins. $4\frac{3}{4}$

Depth punching gap.....ins. $2\frac{3}{4}$

Shipping weight.....lbs. 140

CHICAGO STEEL SLITTING SHEAR

Easiest Operated and Most Durable Hand Bench Shear on the Market

Indispensable for slitting sheet steel and for cutting steel bars, band iron, brake band lining, belting.

Pressed steel construction. Shear blades made of highest grade crucible steel. Equipped with adjustable hold-down. All parts interchangeable.

Capacity $\frac{3}{16}$ in. x 2 in. Bars.
10 Gauge Sheets.

Also Furnished for Cutting Angle Iron.



LENOX THROATLESS SHEAR

This Shear is intended for all manner of sheet metal shearing, including irregular shaped pieces, inside curve and almost any manner of special work covering flat metal.



No. 18H—Hand Power

Capacity—18 gauge and lighter, cuts to $1\frac{3}{4}$ inch radius.
Head—Solid cast steel.
Base—Hardwood.
Gears—Steel and cast iron cut.

Cutters—Adjustable, $2 \times 2\frac{1}{2}$ inch, special high-grade steel, oil tempered; upper cutter driven and slightly knurled to feed material; accurately ground; lower cutter runs free in sleeve.

A circular cutting attachment is furnished at a small additional cost that will guide material in cutting discs from 7 inches in diameter to 24 inches.

We Can Also Furnish Shears For Heavier Duty, Hand and Power Driven.

BEVERLY THROATLESS SHEARS

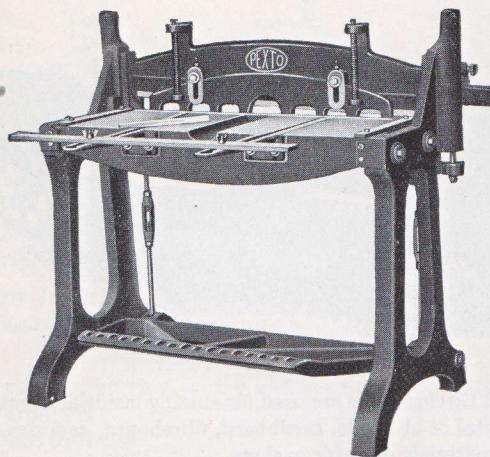
A new and unique Throatless Shear for straight and irregular cutting. The frame is chrome-nickel steel casting and so designed that straight or inside and outside curves can be made starting from the edge of sheet. Blades are slightly convex permitting turning sheet while it is being cut and leaves a clean cut edge free from knurls. Minimum radius of inside or outside cut depends upon gauge and kind of material.



Number	314	310	307
Capacity mild steel.....gauge	14	10	7
Capacity stainless steel.....gauge	20	14	10
Length blades.....ins.	$4\frac{1}{4}$	$4\frac{3}{8}$	$5\frac{5}{8}$
Shipping weight.....lbs.	20	40	55

No. 307 regularly furnished with high carbon high chrome blade. Nos. 314 and 310 with high carbon blades but can be furnished with high carbon high chrome blades for stainless steel at an extra charge.

SQUARING SHEARS

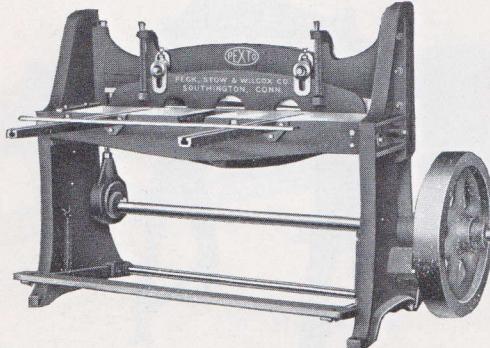


For straight shearing of sheet steel, copper, brass, aluminum, lead, zinc and other materials. Encased compression springs practically eliminate spring breakage. Precision back gauge with graduated back gauge rods and heavy truss rod of cross-head for maintaining alignment of knives, assure accurate shearing at all times.

Front, back and side gauge equipment is standard on all numbers. Spring hold down not furnished on Nos. 122 and 132, but can be supplied special on No. 132.

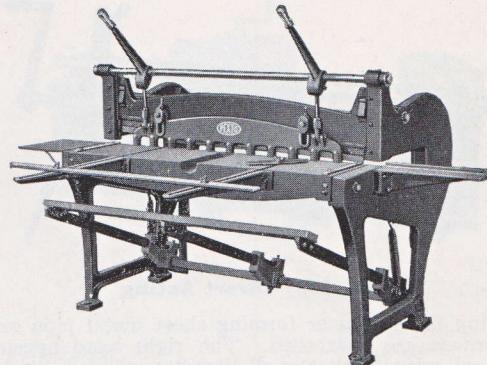
Number	122	132	137	142	152
Capacity mild steel.....gauge	18	18	18	18	18
Nominal cutting length.....ins.	22	30	36	42	52
Shipping weight on skids.....lbs.	480	540	650	785	1000

POWER SQUARING SHEARS



Number	U136	U142	U152	U162	U172
Capacity—Mild Steel.....ga.	16	16	16	16	16
Weight.....lbs.	1750	1900	2100	2400	2800
Nominal cutting length.....ins.	36	42	52	62	72
Length of knives.....ins.	37	43	53	63	73
Size of flywheel.....ins.	28x4	28x4	28x4	28x4	28x4
Weight of flywheel.....lbs.	300	300	300	300	300
Speed of flywheel.....RPM	75	75	75	75	75
Approximate horsepower required.....HP	1	1 1/2	2	2	3
Back gauge range maximum.....ins.	25	25	25	25	25
Front gauge range maximum.....ins.	36	36	36	36	36

GAP SQUARING SHEARS

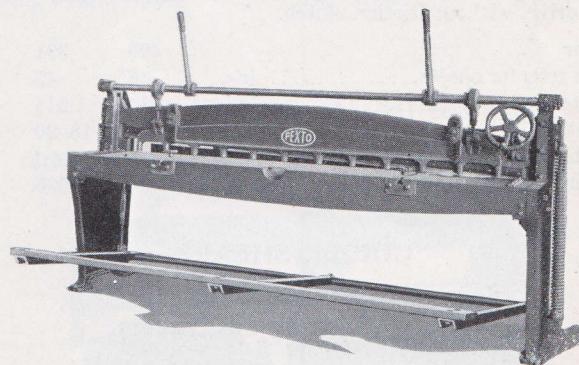


Where floor space is limited, and for economy, these shears have proved very popular because, in addition to cutting sheet metal up to the length of the knives, the gap-in-housing feature permits slitting a sheet of any length by successive cuts, feeding the material from left to right through the housings.

Precision back gauge, front gauge equipment, adjustable side slitting gauge and lever actuated hold down are standard equipment.

Number	XC36	XC42	XC52
Capacity mild steel.....gauge	16	16	16
Nominal cutting length.....ins.	36	42	52
Depth of gap in housings.....ins.	18	18	18
Shipping weight on skids.....lbs.	1500	1650	1750

LONG LENGTH SQUARING SHEARS

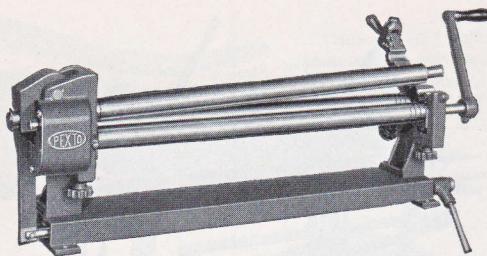


The sturdy cast construction of these Long Length Shears, with well ribbed main members and truss rods on crosshead and bed, assure the user accurate alignment of knives and maximum ease in operation. Extra long compression springs are provided for raising crosshead or top knife gate.

Nos. 162 and 172 have standard precision back gauge, but at an extra charge special parallel screw back gauge can be furnished. No. YB96 is regularly equipped with parallel screw back gauge operated from rear of machine. Back gauge operated from front of machine is special. Side bed gauges, front arms and gauges are standard.

Number	162	172	YB96
Capacity mild steel.....gauge	16	16	18
Nominal cutting length.....ins.	62	72	96
Shipping weight on skids.....lbs.	1700	1850	3050

SLIP ROLL FORMING MACHINES



No. 382 Direct Acting

For curving flat sheets or forming sheet metal pipe or cylinders PEXTO formers are unexcelled. The right hand housing can be opened and roll raised so that small diameter cylinders can be removed without distortion from which feature the term "slip roll" is derived. Operating crank and roll raising lever are on right hand side of machine, for rapid and convenient operation. All numbers fitted with steel machine cut compensating gears.

Rolls 2" and larger diameters are mounted on rigid steel channel base for bench mounting. Steel floor legs can be furnished when specified at an extra charge.

Number	0350	0384	382	381	0381
Length rolls for sheets.....ins.	16	20	30	36	42
Diameter of rolls.....ins.	1	1½	2	2	2
Capacity.....gauge	28	24	22	22	24
Shipping weight boxed.....lbs.	45	90	240	260	290

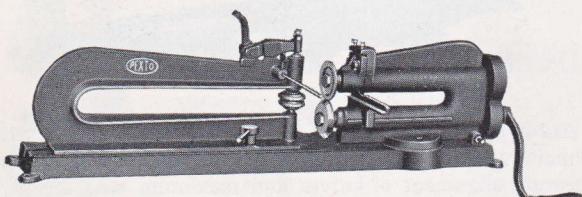
No. 390 Series—Back Geared

These rolls are back geared for heavier work up to their rated capacity, but by shifting small thumb screw in gear box and placing crank on extension to right end of lower roll a direct action is obtained for quicker operation on light work. All rolls are ground to extreme accuracy for dependable performance.

Rolls 2" and 2½" in diameter can be arranged for belt drive and by extending base and applying motor bracket, for direct connected motor drive, without friction clutch.

Number	390	391	392
Length rolls for sheets.....ins.	36	42	48
Diameter rolls.....ins.	2½	2½	2½
Capacity mild steel.....gauge	16-18	18-20	20-22
Ratio back gearing.....	2.4:1	2.4:1	2.4:1
Shipping weight crated.....lbs.	495	525	575

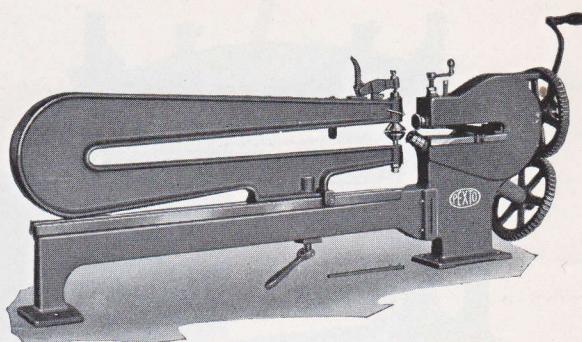
CIRCLE SHEARS



Circle Shears are intended for cutting outside circles, circular arcs and by removal of clamping head can be used for slitting sheet metals. Cutters are adjustable for wear and grinding. Eccentric clamping head and graduated scale on bed provide for quick insertion and removal of material.

Number	Hand	Hand	T. & L.
Capacity mild steel.....gauge	22	18	18
Depth cutting head.....ins.	10½	10½	10½
Depth clamping head.....ins.	16½	34½	34½
Will circle from square blanks.....ins.	2¾ to 22	3 to 48	3 to 48
Shipping weight boxed.....lbs.	140	350	400

RING AND CIRCLE SHEARS

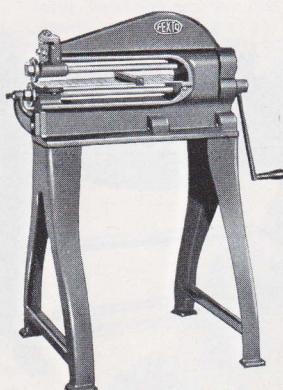


Ring and Circle Shears are used for cutting inside and outside circles in sheet metal of all kinds, cardboard, fibreboard, asbestos, insulating or similar materials used for gaskets.

Graduated scale on bed enables operator to quickly adjust clamping head for desired diameter of circle and eccentric lever on clamping head provides quick insertion and removal of blanks.

Number	298	299
Capacity mild steel.....gauge	20	20
Depth cutting head.....ins.	10	10
Depth clamping head.....ins.	16½	30½
Will circle from square blanks.....ins.	3½ to 22	3½ to 42½
Shipping weight crated.....lbs.	200	300

ROTARY SLITTING SHEARS



An inexpensive substitute for the Long Length Squaring Shear where floor space is limited. Depth of cutting head permits slitting the center of a 36 inch wide sheet.

Furnished on floor legs but can be supplied without legs for bench mounting when so ordered.

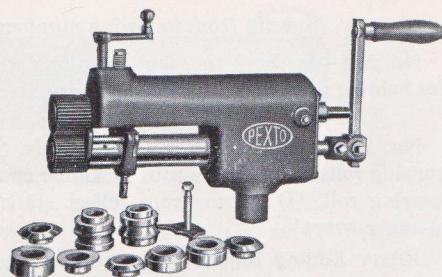
Number	Hand
Capacity.....gauge	16
Depth cutting head to gauge.....ins.	18
Diameter of cutters.....ins.	3½
Shipping weight crated.....lbs.	350

COMBINATION ROTARY MACHINE

A Deep Throat Combination Machine that will take all the rolls of the No. 544 Combination Machine and straight crimping or beading rolls as made for the No. 620 Beading Machine.

Regularly furnished with 1 pair each thin turning rolls, burring rolls, wiring rolls, $\frac{3}{4}$ " ogee bead rolls and straight crimping rolls.

Number	622	
Capacity turning, burring, wiring and beading	gauge	24
Capacity crimping	gauge	26
Depth throat to frame	ins.	7
Distance between shaft centers	ins.	2
Shipping weight boxed	lbs.	60



INTERCHANGEABLE CRIMPERS AND BEADERS



	Spiral Crimp	Straight Crimp
Number	581	0581
Capacity soft steel	gauge	24

Capacity soft steel	gauge	24
Shipping weight boxed	lbs.	30

SETTING DOWN MACHINES

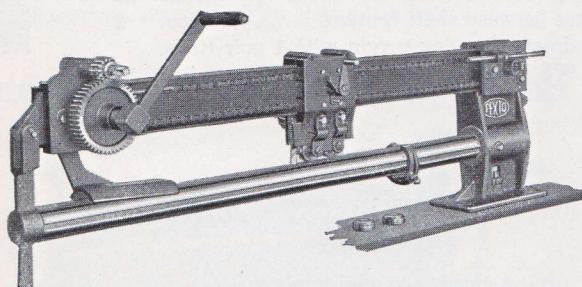


Setting Down Machines squeeze together the flanges on bottoms and bodies of cans, pails, etc., after the flanges are formed on flanging or burring machine and the two sections fitted together. Also available for power drive.

Number	561	562
Capacity mild steel	ga.	24 18
For seams up to	ins.	$\frac{3}{8}$ $\frac{1}{2}$
Shipping weight, boxed	lbs.	50 100



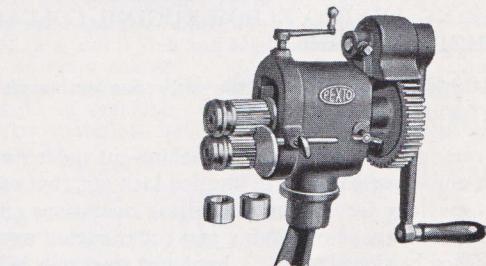
GROOVING MACHINES



No. 520 Hand Drive

These groovers are back geared for easy operation on the heavier grooving work but crank on hand machine can quickly be placed on large gear shaft for more rapid grooving of light material. On power machines small lever on carriage engages driving chain with adjustable stops provided for automatically stopping carriage at beginning and end of travel. Grooving roll carriage is started by throwing small lever on carriage. Floor standard available.

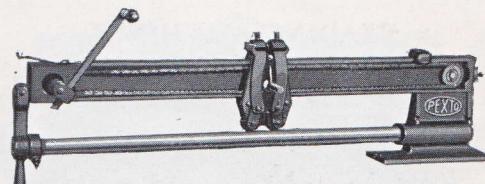
Number—Hand Drive	520	516	517
Number—Pulley Drive	0520	0516	0517
Number—Flat or "V" Belt Drive	1520	1516	1517
Will groove work in length	ins.	36	42
Capacity	gauge	20	20
Diameter grooving horn	ins.	3	3
Motor requirements—1 $\frac{1}{2}$ H.P., 1,800 R.P.M.			
Shipping weight boxed, Hand Drive	lbs.	410	435
		460	



	Spiral Crimp	Straight Crimp
Number	585	0585
Capacity soft steel	gauge	20
Ratio back gearing		3:1

Shipping weight boxed	lbs.	65
		65

GROOVING MACHINES



For grooving or closing longitudinal seams in cylinders after edges of sheet have been prepared on folder and sheet formed into a cylinder on forming rolls, these PEXTO Rapid Groovers are fast replacing the older patterns. Horn is reversible having one flat surface for outside seams and three grooved surfaces for inside seams. Latch and operating crank are on outer end of machine for quicker and more convenient operation.

Furnished with two flattening rolls and $\frac{1}{4}$ ", $\frac{5}{16}$ ", $\frac{3}{8}$ " grooving rolls Floor pedestal when specified.

Number		518
Capacity	gauge	22
Will groove work length	ins.	30
Diameter smallest pipe that can be grooved	ins.	2
Shipping weight boxed	lbs.	200

COMBINATION ROTARY MACHINES



No. 6544 with "L" Flanging Rolls

This one machine with any of its interchangeable rolls will take care of TURNING, BURRING, WIRING, ELBOW EDGING, COLLAR EDGING and FLANGING operations.

A truly "UNIVERSAL" machine and the only one embodying ALL of the following features:

Heavy one-piece frame covering solid steel machine-cut quiet running gears . . . two-in-one screw gauge with knurled lock nut that can be applied to back of machine for burring and wiring operations and to front of machine for turning, elbow edging and collar edging work . . . face of gauge polished hardened steel . . . hardened steel rolls held to key-seated shafts with screw nuts eliminating the necessity of locking gears to remove rolls . . . forged steel crank for depressing top roll, independent from its screw, that can be placed in any position so as not to interfere with material . . . spring cushioned journal box and knurled lock nut with set screw for lower roll adjustment . . . steel crank that can be applied to top shaft for burring and wiring work and to lower shaft for turning, elbow edging, collar edging and flanging operations . . . and adjustable crank for short or long leverage for convenience of operator is attached to heavy square end shafts eliminating any possibility of crank slippage.

COMBINATION ROTARY MACHINES

(Specify from following numbers)

No. 544—Without rolls but including screw nuts for holding rolls, offset standard and spanner wrench.

A



No. 1544—With (A) thin turning rolls, (B) thick turning rolls, (C) burring rolls including spare upper burring roll, (D) wiring rolls, offset standard and spanner wrench.

B



Elbow Edging Rolls No. 1 will be included only when specified and are furnished at an extra cost.

C



No. 2544—With (A) thin turning rolls largest wire 11 gauge, (B) thick turning rolls largest wire 7 gauge offset standard and spanner wrench.

D



No. 3544—With (C) burring rolls (highest flange $\frac{1}{4}$ ") including spare upper burring roll, offset standard and spanner wrench.

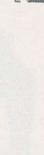
E



No. 4544—With (D) wiring rolls (largest wire 7 gauge), offset standard and spanner wrench.

No. 5544—With No. 1 elbow edging rolls, offset standard and spanner wrench.

F



No. 6544—With (L) first operation flanging rolls, special curved gauge, offset standard and spanner wrench. Maximum flange $\frac{3}{8}$ ". Minimum radius inside curve flat sheet before flanging 3".

G

No. 7544—With (M) second operation flange flattening rolls including regular two-in-one gauge, offset standard and spanner wrench.

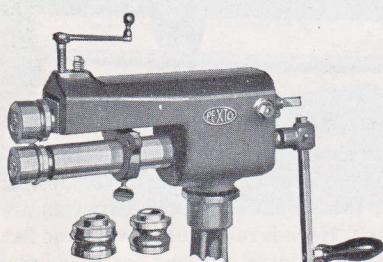
No.

Capacity mild steel gauge 22 1

Distance between shaft centers ins. 2

Approximate shipping weight with 1 pair Rolls, No. 975 Standard and Spanner Wrench. lbs. 33

BEADING MACHINES



Number		620	
Capacity	gauge	24	
Depth of throat to frame	ins.	7	
Distance between shaft centers	ins.	2	
Single bead rolls regularly furnished	ins.	$\frac{1}{4}$	
Ogee bead rolls regularly furnished	ins.	$\frac{3}{4}$	
Shipping weight boxed	lbs.	55	

Regular equipment No. 975 Bench Standard. Straight crimping rolls and crimping gauge extra.

HEAVY ROTARY MACHINES

For turning, burring and wiring operations this machine can be furnished for single operation or with interchangeable rolls for all three operations.

No. 0547 regularly furnished with 1 pair turning rolls for $\frac{3}{16}$ " wire but rolls for $\frac{1}{4}$ " or $\frac{5}{16}$ " wire will be substituted on request.

No. C0547 regularly furnished with 1 pair $\frac{3}{16}$ " turning rolls, 1 pair burring rolls and 1 pair wiring rolls.

With Turning Rolls	With Wiring Rolls	With Burring Rolls	Combi- nation Machine	Number	0547	0548	0584	C0547
Diameter Rolls	ins.		$3\frac{1}{4}$					
Cap. turning $\frac{1}{4}$ " or $\frac{5}{16}$ " wire	ga.		18					
Capacity turning $\frac{3}{16}$ " wire	ga.		20					
Capacity burring or wiring	ga.		18					
Ratio of gearing			2:1					
Shipping weight	lbs.		115					
			115					140



WOOD ROOFING FOLDERS



Number	13C	23C	113	123
Size for sheets, width...ins.	20	28	20	30
Will form locks, size...ins.	$\frac{5}{16}$	$\frac{5}{16}$	$\frac{3}{16}$ to $\frac{3}{8}$	$\frac{3}{16}$ to $\frac{3}{8}$
Weight each.....lbs.	9	11	10	17

Nos. 13C and 23C are made for one size lock only. Nos. 113 and 123 have adjustable gauge for width of locks $\frac{3}{16}$ to $\frac{3}{8}$ inches.

ADJUSTABLE BAR FOLDERS



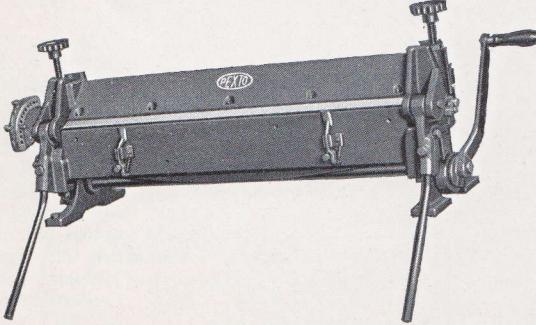
Adjustable Bar Folders will form sharp locks on edge of sheet metal for double seam, open locks for wired edges, flanges of various degrees, and single or double hems.

Unusually long four bearing gauge with steel teeth, conveniently located hand screw for locking gauge after setting, hardened edge bevel blade, patented new design counterbalance, adjustable for varying tension, perfectly balancing the folding bar for greatest ease in operation, are features that appeal to the experienced sheet metal worker.

Number	62	63	055	058
Folding length.....ins.	20	30	36	42
Capacity mild steel...gauge	22	22	22	22
Gauging range.....ins.	$\frac{1}{8}$ to 1	$\frac{1}{8}$ to 1	$\frac{1}{8}$ to $1\frac{1}{4}$	$\frac{1}{8}$ to $1\frac{1}{2}$
Shipping weight boxed..lbs.	140	260	420	500

Nos. 055 and 058 are regularly furnished with counterbalance. At an extra charge can also furnish on Nos. 62 and 63.

COMBINATION FOLDERS AND BRAKES



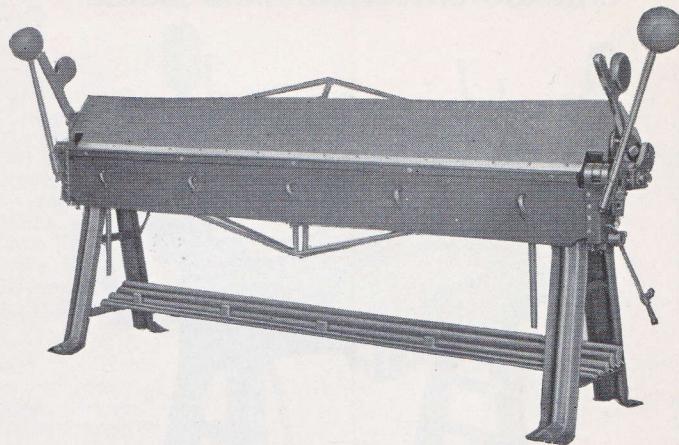
No. 696

Embodying features of the Hand Brake and Bar Folders, the Combination Folder and Brake is a handy machine in any shop.

Metal passes under clamping bar as on a brake. Clamping bar can be raised one inch, sharp beveled blade, adjustable folding bar for open locks, front disappearing gauges, two-in-one back gauge and quadrant gauge are standard equipment.

Number	696	697	698
Capacity (soft steel)...gauge	20	20	22
Length for sheets.....ins.	36	42	60
Shipping weight.....approx. lbs.	430	500	700

CHICAGO STEEL BENDING BRAKES



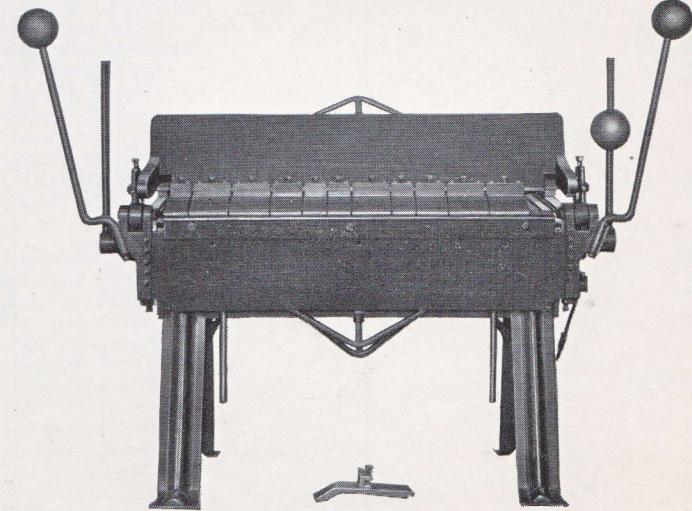
No. 1011

$\frac{1}{4}$ inch detachable steel bar on apron and angle bar for heavy bending are regular equipment. Five moulding formers, one each $\frac{5}{8}$, 1, $1\frac{1}{8}$, $2\frac{1}{4}$ and 3 inch and set of clamps can be furnished when specified at an extra charge.

Rated capacity is for bending 1 inch or wider flange in mild steel full length of machine. Narrower flanges can be formed on lighter or softer materials but not on full length sheets of maximum rated capacity.

No.	Length Inches	Capacity	Wgt. Lbs.	No.	Length Inches	Capacity	Wgt. Lbs.
1109	36 $\frac{1}{2}$	12 ga.	940	1006	73	16 ga.	1,135
1009	36 $\frac{1}{2}$	14 ga.	690	1001	73	18 ga.	820
1004	36 $\frac{1}{2}$	16 ga.	470	1112	97	12 ga.	2,570
1110	48 $\frac{1}{2}$	12 ga.	1,250	1011	97	14 ga.	2,050
1010	48 $\frac{1}{2}$	14 ga.	810	1007	97	16 ga.	1,470
1005	48 $\frac{1}{2}$	16 ga.	585	1002	97	18 ga.	1,010
1102	61	12 ga.	1,480	1012	121	14 ga.	3,025
1101	61	14 ga.	1,230	1008	121	16 ga.	2,440
1100	61	16 ga.	1,010	1003	121	18 ga.	2,040
1000	61	18 ga.	710	1103	145	18 ga.	4,275
1107	73	12 ga.	2,015	1104	145	22 ga.	2,745
1106	73	14 ga.	1,625			Shipped on skids.	

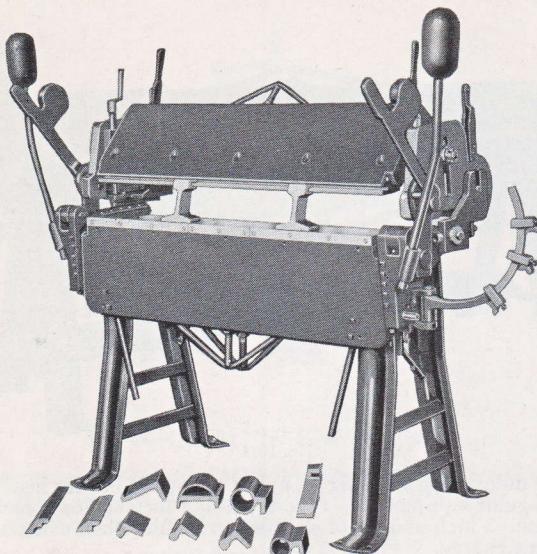
CHICAGO BOX AND PAN BRAKES



No. 3001

No.	Lgth. Ins.	Cap. g	Fin. g	Wgt. Lbs.	No.	Lgth. Ins.	Cap. g	Fin. g	Wgt. Lbs.
3000	36	14	6	860	3006	72	16	6	1,940
3001	48	14	6	1,150	3007	96	16	6	2,520
3002	60	14	6	1,720	3008	120	18	6	2,925
3003	36	14	8	970	3009	72	16	8	2,350
3004	48	14	8	1,500	3010	96	18	8	2,685
3005	60	14	8	1,795			Shipped on skids.		

CHICAGO UNIVERSAL HAND BRAKE



A new Universal Hand Brake of steel plate construction which can be fitted with box and pan jaws $4\frac{1}{2}$ " high, 2" to 5" wide and radius bars for any size radius up to $3\frac{1}{2}$ ", and special blades as illustrated.

Regularly furnished for use as standard hand brake without circular forms. Moulding forms as used with standard hand brake available in sets of 5 sizes, viz.: $\frac{5}{8}$ ", 1", $1\frac{5}{8}$ ", $2\frac{1}{4}$ " and 3".

No.	Length Inches	Capacity ga.	Wgt. Lbs.	No.	Length Inches	Capacity ga.	Wgt. Lbs.
L-3	$36\frac{1}{2}$	12	1,370	W-6	73	14	2,360
W-3	$36\frac{1}{2}$	14	995	R-6	73	16	1,635
L-4	$48\frac{1}{2}$	12	1,830	L-8	97	12	3,765
W-4	$48\frac{1}{2}$	14	1,170	W-8	97	14	2,990
L-5	61	12	2,165	R-8	97	16	2,090
W-5	61	14	1,965	W-10	121	14	4,430
R-5	61	16	1,470	R-10	121	16	3,555
L-6	73	12	2,955	U-10	121	18	2,955

NEW PORTABLE CHICAGO STEEL BENDING BRAKE



Bend and Flatten $\frac{1}{4}$ " or Wider Seam on 22 Gauge
Bend $\frac{1}{2}$ " Flange or Wider on 20 Gauge

It is general practice on large ventilating and air conditioning jobs to set up shop right on the job. Because of ease of transportation Chicago Steel Brakes have been the most popular.

Now a Chicago Steel Brake has been developed to use on the small job as well as the large one.

This Brake is built to fill a definite need in air conditioning work, yet it retains all the features of the regular Chicago Steel Brakes except for the great difference in weight.

It is not a bench machine. It is a standard brake in every way and is therefore ideal for general shop use. All bending is done in the same manner as on the larger machines.



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